

EMAN TORAIH, M.D., Ph.D., M.Sc., DBio.

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[ResearchGate](#) | [PubMed](#) | [Google Scholar](#) | [Tulane website](#) | [LinkedIn](#) | [Personal Website](#)

Faculty appointments

Feb 2025 - present	Professor of Medical Genetics Suez Canal University School of Medicine (SCU-SOM), Ismailia, Egypt
Oct 2024 – present	Adjunct Assistant Professor (Clinical Faculty) Department of Cardiovascular Perfusion, College of Health Professions, SUNY Upstate Medical University, New York, USA
Nov 2019 – present	Assistant Professor of Biostatistics Department of Surgery, Tulane University School of Medicine, New Orleans, LA, USA
Jun 2019 – present	Assistant Professor of Medical Genetics Genetics Unit, SCU-SOM, Ismailia, Egypt
Jun 2014 – May 2019	Lecturer of Medical Genetics Genetics Unit, SCU-SOM, Ismailia, Egypt

Professional and Research Experience

Feb 2020 – Jun 2024	Research Project Manager Endocrine Division, Surgery Department, Tulane University School of Medicine, LA, USA
May 2015 – Oct 2019	Head of the Molecular lab Centre of Excellence in Molecular and Cellular Medicine, SCU, Ismailia, Egypt
May 2008 – Jun 2014	Assistant Lecturer of Medical Genetics Genetics Unit, SCU-SOM, Ismailia, Egypt
Jun 2004 – May 2008	Demonstrator of Medical Genetics Genetics Unit, SCU-SOM, Ismailia, Egypt
Mar 2003 – Feb 2004	Physician (General Practitioner) Suez Canal University Hospitals, Ismailia, Egypt

Education

Jun 2021 — Jun 2022	Research fellowship – Bioinformatics OmicsLogic Network, New Orleans, LA
Aug 2018 – Jun 2019	Diploma – Bioinformatics SCU-SOM, Egypt
May 2008 – May 2014	Ph.D. – Medical Genetics SCU-SOM, Egypt Dissertation: <i>Serum microRNA-21 level in breast cancer patients</i>
Jun 2004 – Apr 2008	Master – Medical Genetics SCU-SOM, Egypt Dissertation: <i>Interleukin-1 Receptor Antagonist: Genetic Association with Knee Osteoarthritis</i>
Sep 1997 – Dec 2002	M.B.B. Ch – Medicine SCU-SOM, Egypt Graduated with Excellence with Honors Ranked 1st in class.

Training and Certification

Aug 2024-May 2025	Antiracial Leadership Program Tulane University Leadership Institute, NOLA, USA
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Feb 2024–Nov 2024	EDI Professional Development Program Tulane University Leadership Institute, NOLA, USA
Nov 2022 – Dec 2022	Ingenuity Pathway Analysis Certified Qiagen Co, USA
Jun 2021 – Jun 2022	Advanced Bioinformatics Pine-Biotech Omics Logic, NOLA, USA
Sep 2017 – Oct 2017	Genomics, Bioinformatics, Programming ArrayGen Technologies Pvt Ltd, Puna, India
Sep 2016 – Apr 2017	Regenerative Medicine University of Toronto, School of Medicine, Canada
Nov 2016 – Dec 2016	Epigenetic Control of Gene Expression University of Melbourne, Australia

Technical Expertise

Data Science & Programming

Programming Languages	R, Python (NumPy, Pandas, Scikit-learn), STATA, SPSS
Machine Learning & AI	TensorFlow, Jupyter Notebook, AWS Autopilot, Vertex AI, DataRobot
Deep Learning Application	Neural networks, tensor space

Data Visualization & Analysis

Visualization Tools	Tableau, Power BI, RStudio, Biorender, Seaborn
Biomedical Imaging	ImageJ, BioVinci, spatial transcriptomics visualization
Statistical Analysis	Regression, classification, clustering, time series analysis, survival analysis
Advanced Methods	Meta-analysis, propensity score matching, sentiment analysis

Databases & Bioinformatics

Healthcare Databases	TriNetX, SEER, NRD, NSQIP, TQIP, NEISS
Genomic Resources	GEO, TCGA, GWAS, HaploView
Bioinformatics Platforms	Partek Flow, CLC, IPA, Cytoscape, Galaxy, OmicSoft

Biomedical Research

Molecular Biology	PCR, RNAscope, Basescope, FISH, immunohistochemistry
Advanced Genomics	Sequencing, SNPs, haplotype, single-cell, ATAC-seq, methylation, spatial analysis
Translational Research	Integrated analysis of omics data, biostatistics, epidemiology

Leadership & Research Management

Team Leadership	Managed cross-functional research teams of up to 150 researchers
Project Management	Research design, milestone tracking, grant writing, budget oversight
Quality Assurance	Laboratory compliance, data integrity protocols, research ethics
Knowledge Transfer	Scientific conferences organization, workshop development, curriculum design

Research Grants and Clinical Trials

Ongoing Research Support

Carol Lavin Bernick Faculty Grant Program

PI: Toraih | 07/2024–06/2025

Project: Decoding the GLP1R Genomic Landscape for Precision Obesity Management

Role: PI (30% Effort)

Completed Research Support

SOM 2022 Fall Pilot Funding Award

PI: Toraih | 01/2023–01/2024

Project: Spatiotemporal Transcriptomic Landscape Driving Thyroid Tumorigenesis and Metastasis

Role: PI (30% Effort)

American Thyroid Association (THYROIDGRANT2021-0000000232)

PI: Toraih | 2021–2023

Project: miR-145/MMP9 Ratio for Prediction of Recurrence in Thyroid Cancer

Role: PI (10% Effort)

Science and Technology Development Fund (STDF: YRG Call 33491)

PI: Toraih | 2019–2023

Project: The Epigenetic Signature for Breast Cancer Patients: Molecular and Clinical Data Integration

Role: Co-PI (10% Effort)

Tulane University Bridge Fund

PI: Kandil | 2021–2022

Project: A microRNA Signature Predicting Thyroid Aggressiveness as a Tool for Active Surveillance

Role: Co-Investigator (30% Effort)

Carol Lavin Bernick Faculty Grant Program (LBGrants Program)

PI: Toraih | 2020–2021

Project: Circulatory Exosomal miRNA Panel: A Tool for Active Surveillance in Thyroid Cancer

Role: PI (15% Effort)

Carol Lavin Bernick Faculty Grant Program (LBGrants Program)

PI: Zerfaoui | 2020–2021

Project: Concomitant Nuclear Translocation of BRAF-V600E and HMOX-1 in Drug-Resistant Melanoma

Role: Co-Investigator

Tulane School of Medicine Pilot Grant

PI: Zerfaoui | 2021–2022

Project: Molecular Insights into BRAF Therapy Resistance in Melanoma

Role: Co-Investigator (5% Effort)

STDF (ID 22941 – Health Call)

PI: Yousry | 2016–2021

Project: MicroRNA Expression Signature in Glioblastoma Multiforme: Towards a Cure

Role: Co-PI (40% Effort)

Science and Technology Development Fund, Egypt

PI: Ellawendi | 2018–2020

Project: Circulating microRNAs as Predictive Biomarkers in Vitiligo Progression

Role: Co-Investigator (20% Effort)

Deanship of Scientific Research, Northern Border University, SA

PI: Fawzy | 2019–2020

Project: PVT1 Oncogene and Apoptosis-Related Proteins (p53, Bcl2, PD1) in Thyroid Carcinoma

Role: Co-Investigator (30% Effort)

Publications

Total peer-reviewed publications: 270+ articles with an H-index of 34 and 4,500+ citations. Publication record includes 19 articles in 2025 (up to March), 30 articles in 2024, 29 articles in 2023, 55 articles in 2022, 57 articles in 2021, and 26 articles in 2020, with 39 manuscripts currently under review, 30 ongoing research projects, and 5 books and book chapters.

2025

1. **Eman Toraih**, Sidra Siddiqui, Sarah Siddiqui, Kasra Shirini, Nadra Elfezzani, Ahmad Abdelmaksoud, Rami Elshazli, Mohammad Hussein, Ekramy M. Elmorsy, Manal Fawzy. Thyroid Disorders as a Risk Factor for Neurodegenerative Proteinopathies: A Large-Scale Propensity Score-Matched Analysis. *Neuroepidemiology*. 2025 Mar 26:1-19. doi: 10.1159/000545369.
2. **Eman Toraih**, Mahmoud A. AbdAlnaeem, Tanvi Bobba, Rami M Elshazli, Ahmed Abdelmaksoud, Yaser Y. Bashumeel, Mohammad Hussein, Salem I Noureldine, Emad Kandil. Role of Thymectomy during Parathyroidectomy in Multiple Endocrine Neoplasia type 1-associated hyperparathyroidism: Meta-analysis. *World Journal of Surgical Oncology*. Accepted Mar 23.

3. Emad Kandil, Mohammad Hussein, Kavin Sugumar, Milee Patel, Marika Russel, Gregory Randolph, **Eman Toraih**. Cytological Alterations of Benign Thyroid Nodules Following Radiofrequency Ablation. *The Laryngoscope*. 2025 Mar 21. doi: 10.1002/lary.32130.
4. Mohamed A. Shebl, **Eman Toraih**, Menna Shebl, Ahmed Mosaad Tolba, Parisa Ahmed, Harshdeep Singh Banga, Mohab Orz, Mahmoud Tammam, Keroles Saadalla, Mohamed Elsayed, Mennatallah Kamal, Mohamed Abdulla, Ahmed Ibrahim Eldessouky, Yousef Tarek Moustafa, Omar Ahmed Mohamed, Hani Aiash. Pre-operative Anxiety and Its Impact on Surgical Outcomes: A Systematic Review and Meta-Analysis. *Journal of Clinical and Translational Science*. 2025 Jan 17;9(1): e33. doi: 10.1017/cts.2025.6. PMID: 40052059; PMCID: PMC11883570.
5. Ekramy M. Elmorsy, Huda A. Al Doghaither, Ayat B. Al-Ghafari, **Eman A. Toraih**, Manal S. Fawzy, Saad Amer. Fucoxanthin mitigates mercury-induced mitochondrial toxicity in the human ovarian granulosa cell line. *Reproductive Toxicology*. 2025 Feb 11;132: 108855. doi: 10.1016/j.reprotox.2025.108855. Epub ahead of print. PMID: 39947444.
6. Simpson, John; Nordham, Kristen; Tatum, Danielle; Haut, Elliott; Ali, Ayman; Maher, Zoe; Goldberg, Amy; Tatebe, Leah; Chang, Grace; Raza, Shariq; **Toraih, Eman**; Mendiola Plá, Michelle; Taghavi, Sharven. Stop the Bleed – Now Wait for EMS or Get in the Car and Drive? A Post Hoc Analysis of an EAST MCT. *The American Surgeon*. 2025 Feb;91(2):233-241. doi: 10.1177/00031348241265135.
7. Aaron L. Albuck, Mohammad Hussein, Madeleine B. Landau, Peter P. Issa, Christina McCarthy, Alexandra LaForteza, Alexander C. Blum, Rabia Shahid, Rawan Zeineddine Mohamed Shama, **Eman Toraih**, Emad Kandil. Subtotal versus Total Parathyroidectomy for the Management of Tertiary Hyperparathyroidism: A Systematic Literature Review and Meta-Analysis of Optimal Surgical Modality. *The American Surgeon*. 2025 Feb;91(2):242-252. doi: 10.1177/00031348241290615.
8. Abdallah Attia, **Eman Toraih**, Claire Ardis, Mahmoud Omar, Ahmed Abdelmaksoud, Danielle Tatum, Mary Killackey, Shauna Levy, Anil Paramesh. Metabolic and Bariatric Operation and the Path to Kidney Transplantation. *J Am Coll Surg*. 2025 Jan 27. doi: 10.1097/XCS.0000000000001301.
9. Rahib K. Islam, Hassan Malik, Andrew Gross, Humza Pirzadah, Ahmed Abdelmaksoud, Christopher Haas, Manal Fawzy, **Eman Toraih**. Higher incidence of dermatological immune-related adverse events in cancer patients treated with immune checkpoint inhibitors vs. other treatments: A TriNetX Research Network study. *Archives of Dermatological Research*. Accepted, Nov 21.
10. **Eman A. Toraih**, Mohammad Hussein, Manal S. Malik, Alaa N. Malik, Emad Kandil, Manal S. Fawzy. Unraveling the Link Between Language Barriers and Cancer Risk. *Cancer Causes & Control*. 2024 Dec 11. doi: 10.1007/s10552-024-01946-5.
11. Ekramy M. Elmorsy, Huda A. Al Doghaither, Ayat B. Al-Ghafari, Majed G. Alrowaili, Zenat Ahmed Khired, **Eman A. Toraih**, Shaimaa A. Shehata. Vitamin D alleviates heavy metal-induced cytotoxic effects on human bone osteoblasts via the induction of bioenergetic disruption, oxidative stress, and apoptosis. *Biological Trace Element Research*. 2024 Sep 5. doi: 10.1007/s12011-024-04337-8. PMID: 39235540.
12. Walaa E Nouh, Eman Fawzy El Azab, Enas A Oraby, Shaymaa M Ahmed, Mohamed Adel El-Eshmawy, Heba K Badawy, Esraa Ibrahim A Shaaban, Nanis S El-Beltagy, Heba Abu Alrub, Eman Wahsh, Hanan Awad M Elmashad, Afaf M Elsaid, Thoraya Mohamed Elhassan A-Elgadir, **Eman Toraih**, Rami M Elshazli, Adel I Alalawy, Zeinab R Attia. Genetic variants and breast carcinoma susceptibility: Unveiling the role of MTHFR (rs1801131, rs1801133) and TP53 (rs1042522). *Gene*. 2025 Mar 20;942:149259. doi: 10.1016/j.gene.2025.149259. Epub 2025 Jan 19.
13. **Eman Toraih**, Hassan A. Malik, Rahib K. Islam, Humza A. Pirzadah, Ahmed Abdelmaksoud, Rami M. Elshazli, Paul Antwi Boasiako, Shehab Ahmed Alenazi, Angelique Dabel, Jessan A. Jishu, Bandar T. Alenezi, Hany Aiash, Manal S. Fawzy. Clinical Outcomes in Patients with Cystic Fibrosis Receiving CFTR Modulators: A Comparison of Childhood Versus Adolescent Initiation. *Children*. 2025 Jan 28;12(2):157. doi: 10.3390/children12020157. PMID: 40003259; PMCID: PMC11854606.
14. **Eman Toraih**, Mohammad Hussein, Rami Elshazli, Ahmed Abdelmaksoud, Mahmoud A. AbdAlnaeem, Yaser Y. Bashumeel, Tanvi Bobba, Julia Bishop, Siva Paladugu, Grace S. Lee, Emad Kandil. Therapeutic Outcomes and Safety of Radiofrequency Ablation for Primary Papillary Thyroid Carcinoma: A game changing meta-analysis. *Radiotherapy and Oncology*. 2025 Apr;205: 110706. doi: 10.1016/j.radonc.2025.110706. Epub 2025 Jan 23. PMID: 39862924.
15. Marcela Herrera, Mohammad H. Hussein, Emily Persons, Magdy Ramy Alias, Abdelrahman Rabee, Abdullah Sayed, **Eman Toraih**, Emad Kandil. Survival Benefits of Extensive Surgery in patients with Papillary Thyroid Microcarcinoma. *The American Journal of Surgery*. 2024 Mar: S0002-9610(23)00585-8. doi: 10.1016/j.amjsurg.2023.11.001.
16. Emily Persons, Mohammad Hussein, Marcela Herrera, Dylan Pinion, Alyssa Webster, Eric Pineda, Lily Baer, Manal Fawzy, **Eman Toraih**, Emad Kandil. The impact of radioactive Iodine on Outcomes Among Pediatric and Adolescent Thyroid Cancer Patients: A SEER Database Analysis. *Cancers*. (Basel). 2025 Jan 1;17(1):107. doi: 10.3390/cancers17010107.

17. **Eman Toraih**, Jessan A. Jishu, Mohammad Hussein, Manal Fawzy, Emad Kandil. Prognostic Indicators and Comparative Treatment Outcomes in High-Risk Thyroid Cancer Patients with Laryngotracheal Invasion. *Endocrinology and Metabolism* (Seoul). 2025 Jan 22. doi: 10.3803/EnM.2024.2033.
18. **Eman Toraih**, Siva Paladugu, Rami M Elshazli, Mohammad Hussein, Hassan Malik, Humza Pirzadah, Ahmed Abdelmaksoud, Salem I Noureldine, Emad Kandil. Comparative Efficacy, Safety, and Oncological Outcomes of Percutaneous Thermal and Chemical Ablation Modalities for Recurrent Metastatic Cervical Lymphadenopathy from Thyroid Cancer. *Surgical Oncology*. 12 December 2024, 102180, vol (58, Feb 2025) doi.org/10.1016/j.suronc.2024.102180.
19. Isabel Riccio, Alexandra Laforteza, Madeleine Landau, Mohammad Hussein, Joshua Linhuber, Jonathan Staav, Peter Issa, **Eman Toraih**, Emad Kandil. Decoding RAS Mutations in Thyroid Cancer: A Meta-Analysis Unveils Specific Links to Distant Metastasis and Increased Mortality. *American Journal of Otolaryngology--Head and Neck Medicine and Surgery*. 2025 Jan-Feb; 46(1):104570. doi: 10.1016/j.amjoto.2024.104570.

2024

1. Shauna Levy, Abdallah "Alex" Attia, Rami Elshazli, Ahmed Abdelmaksoud, Danielle Tatum, Hani Aiash, **Eman Toraih**. Differential effects of GLP-1 receptor agonists on cancer risk in obesity: A nationwide analysis of 1.1 million patients. *Cancers*. 2024 Dec 30, 17(1), 78. Doi.org/10.3390/cancers17010078.
2. Mohammad Hussein, **Eman Toraih**, Jessan A. Jishu, Tessa Lavorgna, Ryan Craig, Emad Kandil. Beyond the burn: Leukemia Threats Following Radioactive Iodine Ablation Therapy for Thyroid Cancer. *Cancers* 2024 Dec 25;17(1):25. doi: 10.3390/cancers17010025.
3. Madeleine B. Landau, Mohammad Hosny Hussein, Marcela Herrera, Joshua Linhuber, Jessan A Jishu, **Eman Toraih**, Emad Kandil. Propensity Analysis Reveals Survival Disparities Between T1a and T1b Well-Differentiated Thyroid Cancer Based on Surgery. *Gland Surgery* 2024 Dec 31;13(12):2335-2347. doi.org/10.21037/gs-24-327.
4. Jessan A Jishu, Mohammad Hussein, Salmanfaizee Sadakkadulla, Solomon O Baah, Yaser Bashumeel, **Eman Toraih**, Emad Kandil. Limited Thyroidectomy Achieves Equivalent Survival to Total Thyroidectomy for Localized Medullary Thyroid Cancer. *Cancers (Basel)*. 2024 Dec 4;16(23):4062. doi: 10.3390/cancers16234062.
5. Alexandra Laforteza, Mohammad Hussein, Xinyi Luo, Peter Issa, Jessan Jishu, Mohamed Shama, **Eman Toraih**, Emad Kandil. Treatment outcomes in patients with papillary thyroid cancer undergoing Radiofrequency ablation of metastatic lymph nodes. *Gland Surgery*. 2024 Oct 31;13(10):1752-1758. doi: 10.21037/gs-24-285.
6. **Eman Toraih**, Mohamed Doma, Aria Kaur Atwal, Benito Vlassis, Ahmed Abdelmaksoud, Hani Aiash, Runa Acharya. Increased Risk of Hypoglycemia Following Roux-en-Y Gastric Bypass Surgery in Non-Diabetic Obese Patients: A Propensity Score-Matched Analysis. *Obesity Surgery*. 2024 Dec;34(12):4385-4392.
7. Alyssa Webster, Rami Elshazli, Dylan Pinion, Robert Clark, Peter Issa, Mohammad Hussein, Manal Fawzy, **Eman Toraih**, Emad Kandil. The Prevalence and Prognostic Implications of BRAF K601E Mutations in Thyroid Cancer. *Head & Neck*. 2024 Dec;46(12):3133-3145. doi: 10.1002/hed.27950.
8. Nabeela Siddeeqe, Mohamed Hussein, Ahmed Abdelmaksoud, Julia Bishop, Rami Elshazli, Manal Fawzy, **Eman Toraih**. Neuroprotective Effects of GLP-1 Receptor Agonists in Neurodegenerative Disorders: A Large-Scale Propensity-Matched Cohort Study. *International Immunopharmacology*. 2024 Oct 31;143(Pt 3):113537.
9. Mohammad Hussein, Julia McGee, Luu Alexandria, Michelle Tsang, Manal Fawzy, **Eman Toraih**, Emad Kandil. Income Disparities Have a Significant Impact on Thyroid Cancer Recurrence and Survival. *Journal of Cancer Policy*. 2024 Oct 21:100511. doi: 10.1016/j.jcpo.2024.100511.
10. Aly A. M. Shaalan, Essam Al Ageeli, Shahad W. Kattan, Amany I. Almars, Nouf Abubakr Babteen, Abdulmajeed A A Sindi, **Eman A Toraih**, Manal S. Fawzy*, Marwa Hussein Mohamed. Impacts of *DROSHA* (rs10719) and *DICER* (rs3742330) Variants on Breast Cancer Risk and Their Distribution in Blood and Tissue Samples of Egyptian Patients. *Current issue in molecular Biology*. *Curr Issues Mol Biol*. 2024 Sep 12;46(9):10087-10111.
11. Essam Al Ageeli, Jawaher A. Abdulhakim, Mohammad H. Hussein, Maryam M. Alnoman, Samya S. Alkhalil, Peter P. Issa, Nader A. Nemr, Manal S. Fawzy, **Eman A. Toraih**. The HCV-Melanoma Paradox: First Multi-Cohort and Molecular Network Analysis Reveals Lower Incidence but Worse Outcomes - Integrating Clinical, Real-World, and In Silico Data. *Medicina (Kaunas)*. 2024 Sep 19;60(9):1531.
12. Bander Alenizi, Nadra Elfezzani, Rukhsana Uddin, Hinali Patel, Sydney Chester, Ahmed Abdelmaksoud, Mohammad H. Hussein, Sawsan Zaitone, Manal S. Fawzy, Hani Aiash, **Eman A. Toraih**. Beyond Glycemic Control: GLP-1 Receptor Agonists and Their Complex Impact on Calcium Homeostasis in Real-World Patients. *J of Clinical Medicine*. 2024 Aug 19;13(16):4896.
13. **Eman Toraih**, Alyssa Webster, Eric Pineda, Dylan Pinion, Lily Baer, Emily Persons, Marcela Herrera, Mohammad Hussein, Emad Kandil. Radioactive Iodine Ablation Therapy Reduces Risk of Recurrent Disease in Pediatric Differentiated Thyroid Carcinoma. *Surgical Oncology*. 2024 Aug 8;56: 102120. doi: 10.1016/j.suronc.2024.102120.

14. Mohammad Hussein, Eslam Hossam, Peter P Issa, Mahmoud Omar, Brandon Magazine, Ali Abdelhady, Alexandra Laforteza, Solomon Baah, Mohamed Shama, **Eman Toraih**, Emad Kandil. Evaluating the efficacy and safety of robotic versus conventional completion thyroidectomy: A 10-year experience. *Surgical Innovation*. 2024 Oct;31(5):478-483.
15. Raza SR, Tatum D, Nordham KD, Broome JM, Keating J, Maher Z, Goldberg AJ, Tatebe L, Chang G, Raza S, **Toraih E**, Mendiola Plá M, Ninokawa S, Anderson C, Maluso P, Keating J, Burruss S, Reeves M, Coleman LE, Shatz D, Goldenberg-Sandau A, Bhupathi A, Spalding C, LaRiccia A, Bird E, Noorbakhsh M, Babowice J, Nelson M, Jacobson L, Williams J, Vella M, Dellonte K, Hayward III T, Holler E, Lieser M, Berne J, Mederos D, Askari R, Okafor B, Etchill E, Fang R, Roche SL, Whittenburg L, Bernard A, Haan J, Lightwine K, Norwood S, Murry J, Gamber M, Carrick M, Bugaev N, Tatar A, Duchesne JC, Taghavi S. Tranexamic Acid and Pulmonary Complications: A Secondary Analysis of an EAST Multicenter Trial. *American Surgeon*. 2025 Jan;91(1):107-114.
16. Madeleine B. Landau, Ahmed Abdelmaksoud, Mohammad H. Hussein, Jessan A. Jishu, Manal Fawzy, **Eman A. Toraih**, Emad Kandil. Reviving Ancient Therapeutics in Modern Medicine: An Immunological and biological review of cupping in the management of Hashimoto's Thyroiditis. *Gland Surg*. 2024 Jul 30;13(7):1291-1304.
17. Manal S. Fawzy Aziza Ali Alenezi, Baraah T. Abu AlSel, **Eman Toraih**,. Long-term survival outcomes of systemic therapy in patients with isolated and mixed medullary thyroid cancer. *Heliyon*. 2024 Jun 26;10(13): e33654.
18. **Eman Toraih**, Mohammad H. Hussein, Jessan A. Jishu, Madeleine Landau, Ahmed Abdelmaksoud, Yaser Y. Bashumeel, Mahmoud A. AbdAlnaeem, Rithvik Vutukuri, Christine Robbie, Chelsea Matzko, Joshua Linhuber, Mohamed Shama, Salem I Noureldine, Emad Kandil. Initial versus Staged Thyroidectomy for Differentiated Thyroid Cancer: A Retrospective Multi-Dimensional Cohort Analysis of Effectiveness and Safety. *Cancers*. 2024 Jun 18;16(12):2250. doi: 10.3390/cancers16122250.
19. Shymaa Ahmed Maher, Nouran B. AbdAllah, Essam Al Ageeli, Eman Riad, Shahad W. Kattan, Fatihi Hassan Soliman Toaimah, Wagdy Abdelfatah, Rasha Emad Badr, **Eman A. Toraih**, Manal S. Fawzy, Ahmed Ibrahim. Impact of Interleukin-17 receptor A Gene Variants on Asthma Susceptibility and Clinical Manifestations in Children and Adolescents. *Children*. 2024 May 28;11(6):657. doi: 10.3390/children11060657.
20. Isabel Riccio, Alexandra Laforteza, Mohammad Hussein, Joshua Linhuber, Peter Issa, Jonathan Staav, Manal Fawzy, **Eman Toraih**, Emad Kandil. Diagnostic Utility of RAS Mutations in Cytologically Indeterminate Thyroid Nodules: A Systematic Review and Meta-Analysis. *EXCLI Journal*, 23, 283–299. doi.org/10.17179/excli2024-6975.
21. Abdallah S. Mohamed, Afrah F. Salama, Magdy A. Sabaa, **Eman Toraih**, Rami ElShazli. GEMIN4 Variants: Risk Profiling, Bioinformatics and Dynamic Simulations Uncover Bladder Carcinoma Susceptibility. *Archives of Medical Research*. 2024 Feb 23;55(3):102970.
22. Manal S. Fawzy, Afaf T. Ibrahim, Dalia Mohammad Osman, Maali Subhi Alshammari, Layan Tariq Almazyad, Noof Daif Allah Almatrafi, Rynad Tariq Almazyad, **Eman A. Toraih**. Angio-long noncoding RNAs-related gene variants in ovarian cancer. *Epigenomes*. 2024 Jan 29;8(1):5.
23. Peter P. Issa, Christina McCarthy, Mohammad Hussein, Aaron L. Albuck, Essam Emad, **Eman Toraih**, Emad Kandil. Assessing Adequacy: A Meta-Analysis of Rapid Onsite Evaluation of Thyroid Nodules. *Journal of Surgical Research*. 2024 Feb 7;296: 523-531.
24. Alyssa Webster, Dylan Pinion, Eric Pineda, Hadeel Aboueisha, Mohammad H. Hussein, Manal S. Fawzy, **Eman A. Toraih**, Emad Kandil. Elucidating the Link Between Thyroid Cancer and Mercury Exposure. *Environmental Science and Pollution Research*. 2024 Jan 26. doi: 10.1007/s11356-024-32031-8.
25. **Eman Toraih**, Mohammad Hussein, Allison Anker, Solomon Baah, Dylan Pinion, Jessan Jishue, Salmanfaizee Sadakkadulla, Madeline Case, Alexandra LaForteza, Krzysztof Moroz, Emad Kandil. Survival outcomes of medullary thyroid cancer with and without amyloid deposition. *Endocrine Practice*. 2024 Jan 5: S1530-891X(24)00012-0. doi: 10.1016/j.eprac.2024.01.001.
26. **Eman Toraih**, Mohammad Hussein, Peter P. Issa, Alexandra LaForteza, Mohamed Shama, Emad Kandil. From Ablation to Operation: Unraveling the Surgical Outcomes and Complications of Thyroidectomy after Radiofrequency Ablation. *Surgery*. 2023 Oct 20:S0039-6060(23)00629-3. doi: 10.1016/j.surg.2023.09.025.
27. Katherine Cironi; Aaron L. Albuck; Bryant McLafferty; Alison K. Mortemore; Christina McCarthy; Peter P. Issa; Tyler Metz; Ali Abdelhady; Mohammed Hussein; **Eman Toraih**; Sharven Taghavi; Emad Kandil, Jacquelyn Turner. Risk Factors for Post-operative Infections Following Appendectomy of Complicated Appendicitis: A Single Institutional Study and Meta-Analysis. *Surg Laparosc Endosc Percutan Tech*. 2024 Feb 1;34(1):20-28. doi: 10.1097/SLE.0000000000001234.
28. Peter P. Issa, Eslam Hossam, Jack Cheng, Brandon M. Magazine, Mohamed Hussein, Ali Abdelhady, Mohamed Shama, **Eman Toraih**, Emad Kandil. Completion Thyroidectomy: A Safe Option for High Volume Surgeons. *Head Neck*. 2024 Jan. doi: 10.1002/hed.27551.
29. Jonathon O. Russell, Dipan D. Desai, Julia E. Noel, Mohammad Hussein, **Eman Toraih**, Stefanie Seo, Mahmoud Omar, Peter Issa, Samantha Wolfe, Lisa A. Orloff, Ralph P. Tufano, Emad Kandil. Radiofrequency Ablation of

30. Lauren Mueller, Peter Issa, Mohammad Hosny Hussein, Rami Elshazli, Muhib Haidari, Youssef Errami, Mohamed Shama, Manal S Fawzy, Emad Kandil, **Eman Toraih**. Clinical Outcomes and Tumor Microenvironment Response to Radiofrequency Ablation Therapy: A Systematic Review and Meta-Analysis. Gland Surgery, 2024;13(1):4-18.

2023

1. **Eman A. Toraih**, Emmanuelle Ruiz, Bo Ning, Giovane G Tortelote, Sylvia Hilliard, Krzysztof Moroz, Tony Hu, Manal S. Fawzy, Emad Kandil. Chromatin-accessible miRNA regulons driving thyroid tumorigenesis and progression. Journal of the American College of Surgeons. 2023 Apr 1;236(4):732-750.
2. Noura Ramadan Abdel-hamid; Eman A. Mohammed; **Eman Ali Toraih**; Mahmoud M Kamel, Ahmed Samir Abdelh, Fouad M. Badr. Circulating ESR1, long non-coding RNA HOTAIR and microRNA-130a gene expression as biomarkers for breast cancer stage and metastasis. Scientific Reports. 2023 Dec 19;13(1):22654. doi: 10.1038/s41598-023-50007-5.
3. Mohamed I. Sakran, Adel I. Alalawy, Amnah A. Alharbi, Mohamed E. El-Hefnawy, Salem M. Alzahrani, Ahmed Alfuraydi, Fahad Mohammed Alzuaibr, Nahla S. Zidan, Afaf M. Elsaid, **Eman A. Toraih**, Rami Elshazli. The blockage signal for PD-L1/CD274 gene variants and their potential impact on Lung Carcinoma susceptibility. International Immunopharmacology. 2023 Nov 6;125(Pt A):111180. doi: 10.1016/j.intimp.2023.111180.
4. **Eman A. Toraih**, Mohamed H. Hussein, Essam Al Ageeli, Mohamad Ellaban, Shahd W. Kattan, Krzysztof Moroz, Manal S. Fawzy, Emad Kandil. Matrix Metalloproteinase 9/microRNA-145 Ratio: Bridging Genomic and Immunological Variabilities in Thyroid Cancer. Biomedicine. 2023 Nov 1;11(11):2953. doi: 10.3390/biomedicines11112953.
5. **Eman Toraih**, Mohammad Hussein, Peter P. Issa, Tessa Lavorgna, Emad Kandil. Chasing π -fection in Thyroidology. Thyroid. 2023 Apr;33(4):527-528. doi: 10.1089/thy.2022.0516.
6. Mohammad Hussein, **Eman A. Toraih**, Ifidon E. Ohiomah, Nabeela Siddeeqe, Marie Comeaux, Madeleine Landau, Allison Anker, Jessan A. Jishu, Manal S. Fawzy, Emad Kandil. Navigating Choices: Determinants and Outcomes of Surgery Refusal in Thyroid Cancer Patients Using SEER Data. Cancers 2023 Jul 20;15(14):3699.
7. Eva M. Kruger, Shaimaa A. Shehata, **Eman A. Toraih**, Ahmed A Abdelghany, Manal S. Fawzy. Type 2 Diabetes and Thyroid Cancer: Synergized Risk with Rising Air Pollution. World Journal of Diabetes. 2023 Jul 15;14(7):1037-1048. doi: 10.4239/wjcd.v14.i7.1037.
8. Peter P. Issa, Ruhul Munshi, Aaron Albuck, Mahmoud Omar, Ruba F. Abu Alhuda, Tyler Metz, Mohammad Hussein, Mohamed Shama, Grace S. Lee, **Eman Toraih**, Emad Kandil. Recommend with Caution: A Meta-Analysis Investigating Papillary Thyroid Carcinoma Tumor Progression Under Active Surveillance. American Journal of Otolaryngology, 2023 Jul 17;44(6):103994.
9. Zenat Ahmed Khired, Mohammad H. Hussein, Jessan A. Jishu, Ahmed A. Toreih, Aly A.M. Shaalan, Manal S. Fawzy, **Eman A. Toraih**. Osseous Metastases in Thyroid Cancer: Unveiling Risk Factors, Disease Outcomes, and Treatment Impact. Cancers 2023, 15(14), 3557. doi.org/10.3390/cancers15143557.
10. Aaron L. Albuck, Peter P. Issa, Mohammad Hussein, Mohamed Aboueisha, Abdallah S. Attia, Mahmoud Omar, Ruhul Munshi, Mohamed Shama, **Eman Toraih**, Gregory W. Randolph, Emad Kandil. A Combination of Computed Tomography Scan and Ultrasound Provides Optimal Detection of Cervical Lymph Node Metastasis in Papillary Thyroid Carcinomas: A Systematic Review and Meta-Analysis. Head & Neck. 2023 Sep;45(9):2173-2184.
11. Katherine A. Cironi, Peter P. Issa, Aaron Albuck, Christina McCarthy, Leely Rezvani, Mohammad Hussein, Mohamed Shama, **Eman Toraih**, Emad Kandil. Comparison of Medical Management versus Parathyroidectomy in Patients with Mild Primary Hyperparathyroidism: A Meta-Analysis. Cancers (cancers-2403279). 2023 Jun 7;15(12):3085. doi: 10.3390/cancers15123085.
12. Shaimaa A. Shehata, **Eman A Toraih**, Ezzat A. Ismail, Abeer M. Hagra, Ekramy Elmorsy, Manal S. Fawzy. Vaping, Environmental toxicants exposure, and Lung cancer risk. Cancers (Basel). 2023 Sep 12;15(18):4525.
13. Mohamed Elsalahaty, Afrah Salama, Thoria Diab, Medhat Ghazy, **Eman Toraih**, Rami El-Shazli. Unleash multifunctional role of miRNA biogenesis gene variants (XPO5*rs34324334 and RAN*rs14035) with susceptibility to hepatocellular carcinoma. Journal of Personalized Medicine. 2023 Jun 6;13(6):959.
14. Emad Kandil, Tyler A. Metz, Peter P. Issa, Mohamed Aboueisha, Mahmoud Omar, Abdallah S. Attia, Bert Chabot, Mohammad Hussein, Mohamed Shama, **Eman Toraih**. Performance of Afirma and Interpace Diagnostics Molecular Testing in Preoperative Diagnosis of Indeterminate Thyroid Nodules: A Single Center Retrospective Cohort Study. Cancers 2023, 15(7), 2098.
15. Manal S. Fawzy, Afaf T. Ibrahim, Naglaa A. Bayomy, Amin K Makhdoom, Khalid S Alanazi, Abdulaziz M Alanazi, Abdulaziz M Mukhlaf, **Eman A. Toraih**. MicroRNA-155 and disease-related immunohistochemical parameters in cutaneous melanoma. Diagnostics 2023, 13(6), 1205; doi.org/10.3390/diagnostics13061205.

16. Hadeer Shosha, Hala M Ebaid, **Eman Ali Toraih**, Heba M. A. Abdelrazek, Ranwa Ahmed A. Elrayess. Effect of Monosodium Glutamate on Fetal Development and Progesterone Level in Pregnant albino rats. *Environmental Science and Pollution Research*. 30, 49779–49797 (2023). doi: 10.1007/s11356-023-25661-x.
17. Zenat Khired, Shahad W. Kattan, A. Khuzaim Alzahrani, Ahmad J. Milebary, Mohammad H. Hussein, Safaa Qusti, Eida M. Alshammari, **Eman A. Toraih**, Manal S. Fawzy. Analysis of MIR27A (rs11671784) variant association with systemic lupus erythematosus. *Life*. 2023 Mar 5;13(3):701. doi: 10.3390/life13030701.
18. Sara A. Abdel Gaber, Amal H. Hamza; Mohamed A. Tantawy; **Eman A. Toraih**; Hanaa H. Ahmed. Germanium Dioxide Nanoparticles mitigate Biochemical and Molecular Changes Characterizing Alzheimer's Disease in Rats. *Pharmaceutics*. 2023 Apr 30;15(5):1386. doi: 10.3390/pharmaceutics15051386.
19. Emmanuelle Ruiz, Emad Kandil, Solomon Alhassan, **Eman Toraih**, Youssef Errami, Zakaria Y. Abd Elmageed, Mourad Zerfaoui. An integrative multi-omics analysis of the molecular links between aging and aggressiveness in thyroid cancers. *Aging and disease*. 2023 Jun 1;14(3):992-1012. doi: 10.14336/AD.2022.1021.
20. Rami M. Elshazli, **Eman A. Toraih**, Mohammad H. Hussein, Emmanuelle M. Ruiz, Emad Kandil, Manal S. Fawzy. Pan-cancer study on variants of canonical miRNA biogenesis pathway components: A pooled analysis. *Cancers (Basel)*. 2023 Jan 4;15(2):338. doi: 10.3390/cancers15020338.
21. Afaf Ibrahiem, Entsar Eladl, **Eman A. Toraih**, Manal S. Fawzy, Khaled Abdelwahab, Khaled Elnaghi, Ziad A. Emarah, Aly A. M. Shaalan, Ziad Ehab, Nahed A. Soliman. Prognostic value of BRAF, programmed cell death 1 (PD1), and PD ligand 1 (PDL1) protein expression in colorectal adenocarcinoma. *Diagnostics (Basel)*. 2023 Jan 9;13(2):237. doi: 10.3390/diagnostics13020237.
22. Semran Thamer, Nicoletta Kijak, **Eman A. Toraih**, Ahmed Thabet, Amr Abdelgawad. Tendon Transfers to Restore Shoulder Function for Obstetrical Brachial Plexus Palsy: A Systematic Review of the Literature. *JBJS Rev*. 2023 Jan 6;11(1). doi: 10.2106/JBJS.RVW.22.00165.
23. Peter P. Issa, Mohammad H. Hussein, Mahmoud Omar, Ruhul Munshi, Abdallah S. Attia, Yusef Buti, Mohamed Aboueisha, Mohamed Shama, **Eman A. Toraih**, Emad Kandil. Cardiovascular Health by Graves' Disease Management Modality - Surgery Versus Radioactive Iodine Versus Antithyroid Medications: A Network Meta-Analysis. *J Surg Res*. 2023 Mar; 283: 266-273. doi: 10.1016/j.jss.2022.10.043. Epub 2022 Nov 21.
24. Noha M. Abd El-Fadeal, Alia Ellawindy, Mohammed Jeraiby, Safaa Qusti, Eida M. Alshammari, A. Khuzaim Alzahrani, Ziad Ehab, **Eman A. Toraih**, Manal S. Fawzy, Marwa Hussein Mohamed. HSP70 expression signature in renal cell carcinoma: A clinical and bioinformatic analysis approach. *Genes* 2023 Jan 30;14(2):355.
25. Hussein, M.H., Lauren Mueller, Lily Trinh, Peter P. Issa, Muhib Haidari, Mohamad Shama, **Eman Toraih**, Emad Kandil. Sexual Disparity and the Risk of Second Primary Thyroid Cancer: A Paradox. *Gland Surgery* 2023 Apr 28;12(4):432-441.
26. Peter P. Issa, Mahmoud Omar, Yusef Buti, Mohamed Aboueisha, Mohammad Hussein, Ruhul Munshi, Muhib Haidari, Graham Blair, Chad P. Issa, Mohamed Shama, **Eman Toraih**, Emad Kandil, Hashimoto's Thyroiditis: A Protective Factor against Recurrence in BRAF-Wild Type Differentiated Thyroid Carcinoma. *Cancer* 2023 Apr 19;15(8):2371.
27. Ruhul Munshi, Nicholas Mankowski, Spenser Souza, Hosam Shalaby, Ahmed Elnahla, Mounika Akkera, Mohammad Hussein, Katherine Cox, Jeffrey Borchardt, Brian McClure, Mohamed Shama, **Eman Toraih**, Emad Kandil. The Effect of Patient Positioning on Intraoperative Neuromonitoring during Thyroid and Parathyroid Surgery. *American Surgeon* May 2023;31348211061103. doi: 10.1177/00031348211061103.
28. Magnus J. Chun, Yichi Zhang, **Eman Ali Toraih**, Patrick R. McGrew. Iatrogenic Injuries in Manual and Mechanical Cardiopulmonary Resuscitation. *The American Surgeon* 2023 May 13;31348211047507.
29. Lauren Mueller, Rohan Morenas, Mallory Loe, Jadesola Oremosu, **Eman Toraih**, Jacquelyn Turner. Gender and Race Demographics of Fellowships After General Surgery Training in the United States: A Five-Year Analysis in Applicant and Resident Trends. *The American Journal of Surgery*. 2023, April;31348221146945.

2022

1. **Eman Toraih**, Manal S. Fawzy, Bo Ning, Mourad Zerfaoui, Youssef Errami, Emmanuelle M. Ruiz, Mohammad Hussein, Muhib Haidari, Melyssa Bratton, Giovane G Tortelote, Sylvia Hilliard, Naris Nilubol, Jonathon O. Russell, Mohamed Ahmed Shama, Samir S. El-Dahr, Moroz Krzysztof, Ye Tony Hu, Emad Kandil. A miRNA-based prognostic model to trace thyroid cancer recurrence. *Cancers*. Sep 2022, 14(17), 4128.
2. Doaa Salman, Eman Mohammed, **Eman Toraih**, Alia Ellawindy. A Study of Plasma miR-23a Expression in Vitiligo Patients. *Suez Canal University Medical Journal* 2022, 26 (1), 1-10.
3. Peter P. Issa, Aaron L. Albuck, Eslam Hossam, Mohammad Hussein, Mohamed Aboueisha, Abdallah S. Attia, Mahmoud Omar, Seif Abdelrahman, Gehad Naser, Robert D. E. Clark, **Eman Toraih**, Emad Kandil. The Diagnostic Performance of Ultrasonography in the Evaluation of Extra Thyroidal Extension in Papillary Thyroid Carcinoma: A Systematic Review and Meta-Analysis. *Int J Mol Sci*. 2022 Dec 26;24(1):371.

4. Salwa Faisal, Sherouk Abdelaal, Mohammed Jeraiby, Fatihi Hassan Soliman Toaimah, Shahad W. Kattan, Abdelhady Ragab Abdel-Gawad, Eman Riad, **Eman A. Toraih**, Manal S. Fawzy, Ahmed Ibrahim. Diagnostic and prognostic risk assessment of heat shock protein HSPA1B rs2763979 variant in bronchial asthma. *Genes (Basel)*. 2022 Dec 16;13(12):2391.
5. Abdelrahman Abushouk, Shahad Kattan, Hanadi Ahmedah, Eshrag Baothman, Sameerah Shaheen, **Eman Toraih**, Manal S. Fawzy. Expression and prognostic value of Oncolng non-coding RNA taurine-upregulated gene-1 in colon cancer. *Journal of Cancer Research and Therapeutics*. 2022 Dec;18(Supplement): S374-S382. doi: 10.4103/jcrt.JCRT_484_20.
6. Eva Kruger, **Eman A. Toraih**, Mohammad H. Hussein, Shaimaa Shehata, Amany Waheed, Manal S. Fawzy, Emad Kandil. Thyroid Carcinoma: A Systematic Review for 25 Years of Environmental Risk Factor Studies. *Cancers* 2022 Dec 14;14(24):6172. doi: 10.3390/cancers14246172.
7. Abdallah S. Attia, Ahmad Elnahla, Peter P. Issa, Ashraf Farhoud, Mohanad R. Youssef, Mohammad Hussein, Mohamed Aboueisha, Mohamed Ahmed Shama, **Eman Toraih**, Emad Kandil. Association of BRAF^{V600E} Mutation and The Aggressive Behavior of Papillary Thyroid Microcarcinoma: A Meta-Analysis of 33 studies. *Int J Mol Sci*. 2022 Dec 9;23(24):15626.
8. Essam Al Ageeli, Samy M. Attallah, Marwa Hussein Mohamed, Amany I. Almars, Shahad W. Kattan, **Eman A. Toraih**, Manal S. Fawzy, Marwa K. Darwish. Migration/Differentiation-Associated LncRNA SENCN rs12420823*C/T: A novel gene variant can predict survival and recurrence in breast cancer women. *Genes*. Nov 2022, 13(11), 1996.
9. Peter P. Issa, Mahmoud Omar, Chad P. Issa, Yusef Buti, Mohammad Hussein, Mohamed Aboueisha, Ali Abdelhady, Mohamed Shama, Grace S. Lee, **Eman Toraih**, Emad Kandil. Radiofrequency Ablation of Indeterminate Thyroid Nodules: The First North American Comparative Analysis. *International Journal of Molecular Sciences* 2022, 23(19), 11493.
10. Tessa Lavorgna, Mohammad Hussein, Peter issa, **Eman Toraih**, Emad Kandil. Ultraviolet Light Exposure Decreases Thyroid Cancer Risk: A National Perspective. *Biomedicines* 2022, 10(10), 2452.
11. **Eman A. Toraih**, Mohammad H. Hussein, Manal S. Fawzy, Emad Kandil. A Review and In Silico Analysis of Tissue and Exosomal Circular RNAs: Opportunities and Challenges in Thyroid Cancer. *Cancers* 2022, 14(19), 4728.
12. Mahmoud Omar, Mohamed Aboueisha, Ruba Abualhuda, Abdallah Attia, Peter Issa, Mohammad Hussein, **Eman A. Toraih**, Mohamed Shama, Emad Kandil. Impact of Endotracheal Tube Size on Performance of Continuous Laryngeal Adductor Reflex Monitoring. *Journal of the American College of Surgeons*. Nov 2022, 235(5): S65.
13. Mohamed A. Aboueisha, Mahmoud Omar, Abdallah S. Attia, Mohanad R. Youssef, Deena Hadedeya, **Eman Toraih**, Mohamed Shama, Emad Kandil. Laryngeal Adductor reflex: A Better Modality of Nerve Monitoring During Central Neck Surgery. *Journal of the American College of Surgeons*. Nov 2022, 235(5): S65-S66.
14. Peter P. Issa, Lauren Mueller, Mohammad Hussein, Aaron Albuck, Mohamed Shama, **Eman Toraih**, Emad Kandil. Radiologist Versus Non-Radiologist Detection of Lymph Node Metastasis in Papillary Thyroid Carcinoma by Ultrasound: A Meta-Analysis. *Biomedicines* 2022, 10(10), 2575;
15. Mahmoud Omar, Abdallah S. Attia, Peter P. Issa, Bryce R. Christensen, Kevin Sugumar, Ahmed Alnahla, Deena Hadedeya, Hosam Shalaby, Neel Gupta, **Eman Toraih**, Emad Kandil. Diagnostic Accuracy of Ultrasound in Predicting Extrathyroidal Extension and its Relation to Body Mass Index in a North American Population. *Biomedicines* 2022, 10(10), 2408.
16. Aya Abd EL-baset, Moustafa Eyada, **Eman Toraih**, Amal Gomaa, Ghada Mohammed. A Case Control Study of the Oestrogen Receptor Beta (ER) Gene Polymorphism (rs1255953 SNP) in Patients with Alopecia Areata. *Human Gene*. September 2022; 33: 201033. doi.org/10.1016/j.humgen.2022.201033.
17. Mohammed Y. Behairy, Ali A. Abdelrahman, **Eman A. Toraih**, Emad El-Deen A. Ibrahim, Hany Hashem, Anwar A. Sayed, Marwa M. Azab. Investigation of TLR2 and TLR4 polymorphisms and sepsis susceptibility: Computational and experimental approaches. *International Journal of Molecular Sciences*. 2022 Sep 19;23(18):10982.
18. Sharven Taghavi, Tristan Chun, Lillian Bellfi, Catherine Malone, Jadesola Oremosu, Ayman Ali, **Eman Toraih**, Juan Duchesne, Danielle Tatum. A Propensity-Matched Analysis of Tranexamic Acid and ARDS in Trauma Patients. *Journal of Surgical Research*. 2022 Sep 1; 280: 469-474. doi: 10.1016/j.jss.2022.06.017.
19. Mohammad Hosny Hussein, Lauren Mueller, Peter P. Issa, Muhib Haidari, Lily N. Trinh, **Eman Toraih**, Emad Kandil. Latency Trend Analysis as a Guide to Screening Malignancy Survivors for Second Primary Thyroid Cancer. *Biomedicines* 2022 Aug 16;10(8):1984. doi: 10.3390/biomedicines10081984.
20. Peter P. Issa, Mahmoud Mahmoud, Mohammad Hosny Hussein, Yusef Buti, Chad P Issa, Bert Chabot, Christopher J Carnabatu, Mohamed Shama, Ralph L Corsetti, **Eman Toraih**, Emad Kandil. Hashimoto's Thyroiditis Minimizes Lymph Node Metastasis in BRAF Mutant Papillary Thyroid Carcinomas. *Biomedicines* 2022 Aug; 10(8): 2051.

21. Yahya Hasan Hobani, Amany I. Almars, **Eman A. Toraih**, Nader A. Nemr, Aly A. M. Shaalan, Manal S. Fawzy, Samy M Attallah. Genetic variation of DEAD-Box Helicase 20 as a putative marker of recurrence in propensity-matched colon cancer patients. *Genes* 2022 Aug 7, 13(8), 1404; <https://doi.org/10.3390/genes13081404>.
22. Juan Duchesne, Sharven Taghavi, **Eman Toraih**, John Simpson, Danielle Tatum. Clarification of Methodology in Analysis of State Gun Law Grades and Mass Shooting Event Incidence-Legislation Alone isn't Enough In Reply to Cao and Colleagues. *Journal of the American College of Surgeons*, 2022 Sep 1;235(3):566-567.
23. Hoda Y. Abdallah, Noura R. Abdelhamid, Eman A. Mohammed, Nehal Y. AbdElWahab, Noha Z. Tawfik, Amal HA Gomaa, **Eman A. Toraih**, Alia Ellawindy. Investigating melanogenesis-related microRNAs as disease biomarkers in vitiligo. *Scientific Reports*. 12 (1), 1-22 (2022). doi.org/10.1038/s41598-022-17770-3.
24. Sharven Taghavi, Zoe Maher, Amy J. Goldberg, Elliott R. Haut, Elliott R. Haut, Shariq Raza, Grace Chang, Leah C Tatebe, **Eman Toraih**, and EAST Prehospital Procedures in Penetrating Trauma Study Group. An Analysis of Police Transport in An Eastern Association for the Surgery of Trauma Multicenter Trial Examining Prehospital Procedures in Penetrating Trauma Patients. *Journal of Trauma and Acute Care Surgery*. 2022 Aug 1;93(2):265-272. doi: 10.1097/TA.0000000000003563.
25. Nouran B. AbdAllah, Essam Al Ageeli, Abdullah Shbeer, Jawaher A. Abdulhakim, **Eman A. Toraih**, Doaa O. Salman, Manal S. Fawzy, Sanaa S. Nassar. Long non-coding RNAs ANRIL and HOTAIR upregulation is associated with survival in neonates with sepsis in a neonatal intensive care unit. *The International Journal of General Medicine*. 2022 Jul 20; 15: 6237-6247.
26. John Tyler Simpson, Mohammad Hosny Hussein, **Eman Ali Toraih**, Mikaela Suess; Danielle Tatum, Sharven Taghavi, Patrick McGrew. Trends and Burden of Firearm-Related Injuries Among Children and Adolescents: A National Perspective. *Journal of surgical research* 2022 Dec; 280: 63-73. doi: 10.1016/j.jss.2022.06.065.
27. Sharven Taghavi, Sarah Abdullah, **Eman Toraih**, Jacob Packer, Robert Drury, Oguz Aras, Emma Kosowski, Farhana Shaheen, Juan Duchesne, Olan Jackson-Weaver. Dimethyl Malonate Decreases Succinate Accumulation and Preserves Cardiac Function in a Swine Model of Hemorrhagic Shock. *Journal of Trauma and Acute Care Surgery* 2022 Jul 1;93(1):13-20.
28. Emad Kandil, Mahmoud Omar, Mohamed Aboueisha, Abdallah S Attia, Khalid M Ali, Ruba F Abu Alhuda, Peter P Issa, Samantha Wolfe, Sara Omari, Yusef Buti, Omar Abozaid, **Eman Toraih**, Mohamed A Shama, Grace Lee, Ralph Tufano, Jon Russel. Efficacy and Safety of Radiofrequency Ablation of Thyroid Nodules: A Multi-institutional Prospective Cohort Study. *Annals of Surgery*. Oct 2022, 276 (4): 589-596(8).
29. Areej Shihabi, Mohammad Hussein, **Eman Toraih**, Abdallah Attia, Mohanad R. Youssef, Ahmad Elnahla, Mahmoud Omar, Mohamed Shama, Ralph Corsetti, Emad Kandil. Accuracy of the 'CUT' Score for Assessing Malignancy in Bethesda 3 and 4 Thyroid Nodules: a retrospective study. *Cancer Investigation*, 2022 Jul 14:1-8.
30. Mourad Zerfaoui, Koji Tsumagari, **Eman Toraih**, Youssef Errami, Emmanuelle Ruiz, Moroz Krzysztof, Andrew B. Sholl, Sameh Magdeldin, Mohamed Soudy, A. Hamid Boulares, Zakaria Y. Abd Elmageed, Emad Kandil. Nuclear interaction of Arp2/3 complex and BRAF^{V600E} promotes aggressive behavior and vemurafenib resistance to thyroid cancer. *American Journal of Cancer Research* 2022 Jul 15;12(7):3014-3033.
31. Sameerah Shaheen, Eida Alshammari, Sara Mokhtar, Aliah Alshanwani, **Eman Toraih**, Afaf Ibrahim, Manal Fawzy, Shymaa Maher. PUNISHER rs12318065 C>A transversion: A putative somatic driver mutation for poor prognosis in colon cancer. *Bioscience Reports*. 2022 Jun 30;42(6): BSR20220465. doi: 10.1042/BSR20220465.
32. Shaimaa Elzamy, Ali Al-Habib, **Eman A Toraih**, Pushan P Jani, Jaiyeola O Thomas-Ogunniyi, Hongxia Sun, Jing Liu, Hui Zhu, Jamie Buryanek, Tianhua Guo, Songlin Zhang. The Optimal Approach of EBUS-FNA Rapid On-Site Evaluation (ROSE): A Five-Year Experience from a Large Academic Medical Center. *Journal of the American Society of Cytopathology*. 2022 Sep-Oct;11(5):328-333. doi: 10.1016/j.jasc.2022.06.002.
33. Mohammad Hussein, **Eman Toraih**, Ahmed Fouad, Lauren Mueller, Alexander Blum, Zaid Al-Qurayshi, Jeffrey Borchardt, Emad Kandil. A national perspective on hospital readmissions following adrenalectomy. *Gland Surgery*. 2022 Jun;11(6):970-980.
34. Nesreen M. Ismail, **Eman A. Toraih**, Amany I. Almars, Essam Al Ageeli, Manal S. Fawzy, Shymaa Ahmed Maher. Genotype triad for HOTAIR rs10783618, LINC-ROR rs1942347, and MALAT1 rs3200401 as molecular markers in Systemic Lupus Erythematosus. *Diagnostics*. 2022 May 11;12(5):1197.
35. Enas F. Elngar, Mona A. Azzam, Aymn A. Gobarah, **Eman A. Toraih**, Manal S. Fawzy, Nouran B AbdAllah. Component 1 inhibitor missense (Val480Met) variant is associated with gene expression and sepsis development in neonatal lung disease. *Frontiers in Pediatrics*. 2022 May 20; 10: 779511. doi: 10.3389/fped.2022.779511.
36. Magnus Chun, Yichi Zhang, An Nguyen, Chad Becnel, Valeria Noguera, Sharven Taghavi, Chrissy Guidry, Mohamed Hussein, **Eman Toraih**, Patrick McGrew. How does Insurance Status Correlate with Trauma Mechanisms and Outcomes? A Retrospective Study at a Level 1 Trauma Center. *The American Surgeon* 2022 May;88(5):859-865.

37. Mohammad Hosny Hussein, Adin Reisner, Zaid Al-Quaryshi, Areej Shihabi, **Eman Ali Toraih**, Emad Kandil. Preoperative diabetes complicates postsurgical recovery but does not amplify readmission risk following pancreatic surgery. *Gland Surgery*. 2022 Apr;11(4):663-676. doi: 10.21037/gs-21-648.
38. Shymaa Ahmed Maher, Nader Ali Ismail, **Eman A. Toraih**, Alaa H Habib, Nawal S Gouda, Amal H.A. Gomaa, Manal S. Fawzy, Ghada M. Helal. Hair follicle-related microRNA-34a serum expression and rs2666433A/G variant in patients with alopecia: A cross-sectional analysis. *Biomolecules* 2022 Apr 19;12(5):602.
39. Afaf T. Ibrahiem, Amin K Makhdoom, Khalid S Alanazi, Abdulaziz M Alanazi, Abdulaziz M Mukhleef, Saad H. Elshafey, **Eman A. Toraih**, Manal S. Fawzy. Analysis of anti-apoptotic PVT1 oncogene and apoptosis-related proteins (p53, Bcl2, PD1, PD-L1) expression in thyroid carcinoma. *Journal of Clinical Laboratory Analysis*. 2022 May;36(5): e24390.
40. Aly A. M. Shaalan, Sara H. Mokhtar, Hanadi Talal Ahmedah, Amany I Almars, **Eman A. Toraih**, Afaf T Ibrahiem, Manal S. Fawzy, Mai Salem. Prognostic value of LINC-ROR (rs1942347) variant in patients with colon cancer harboring BRAF mutation: A propensity score-matched analysis. *Biomolecules* 2022 Apr 12;12(4):569.
41. Juan Duchesne, Sharven Taghavi, **Eman Toraih**, John Simpson, Danielle Tatum. State Gun Law Grades Have Not Impacted Mass Shooting Event Incidence: An 8-Year Analysis. *Journal of the American College of Surgeons*. 2022 Apr 1;234(4):645-651.
42. Salwa Faisal, **Eman A. Toraih**, Lina M. Atef, Ranya Hassan, Marwa M. Fouad, Essam Al Ageeli, Manal S. Fawzy, Hussein Abdelaziz Abdalla. MicroRNA-17-92a-1 Host Gene (MIR17HG) expression signature and rs4284505 variant association with alopecia areata: a case-control study. *Genes* 2022 Mar 12;13(3):505.
43. **Eman Toraih**, Mohammad Hussein, Lily N Trinh, Mourad Zerfaoui, Emad Kandil. What happens to patients undergoing cancer surgery with psychiatric comorbidities? A nationwide retrospective cohort study. *Journal of Surgical Oncology*. 2022 Mar;125(3):535-543. doi: 10.1002/jso.26716.
44. Magnus Chun, Yichi Zhang, Chad Becnel, Timmy Brown, Mohammad Hussein, **Eman Toraih**, Sharven Taghavi, Chrissy Guidry, Rebecca Schroll, Patrick McGrew, Juan Duchesne. New injury severity score and trauma injury severity score are superior in predicting trauma mortality. *Journal of Trauma and Acute Care Surgery*. 2022 Mar 1;92(3):528-534. doi: 10.1097/TA.0000000000003449.
45. Afaf T. Ibrahiem, Manal S. Fawzy, Jawaher A. Abdulhakim, **Eman A. Toraih**. GLUT1 and ASCT2 protein expression in papillary thyroid carcinoma patients and relation to hepatitis C virus: A propensity-score matched analysis. *International Journal of General Medicine* 2022 Mar 14; 15: 2929-2944.
46. Shahad W. Kattan, Yahya H. Hobani, Nouf Abubakr Babteen, Saleh A. Alghamdi, **Eman A. Toraih**, Afaf T Ibrahiem, Manal S. Fawzy, Salwa Faisal. Association of B-cell lymphoma 2/microRNA-497 gene expression ratio score with metastasis in patients with colorectal cancer: A propensity-matched cohort analysis. *Journal of Clinical Laboratory Analysis*. 2022 Feb;36(2): e24227. doi: 10.1002/jcla.24227. Epub 2022 Jan 7.
47. Mohammad Hussein, Ahmad Toraih, Abdallah S Attia, Majed Alrowaili, Manal Said Fawzy, Danielle Tatum, **Eman Ali Toraih**, Emad Kandil, Juan Duchesne, Sharven Taghavi. Trampoline Injuries in Children and Adolescents: A Jumping Threat. *Pediatric Emergency Care*. 38(2):e894-e899, February 2022.
48. Abdallah S. Attia, Mohammad Hussein, Ahmad Elnahla, Mohanad R. Youssef, Ghassan Zora, Mahmoud Omar, Ashraf Farhoud, Adin SC Reisner, Katherine S Cox, **Eman Toraih**, Gregory W. Randolph, Emad Kandil. Deciphering excess health-care burden in head and neck cancer patients with cardiovascular comorbidity. *Journal of Surgical Oncology*. 2022 Jan 28.
49. Mohamad Elwazir, Mohammad H. Hussein, **Eman A. Toraih**, Essam Al Ageeli, Safya E. Esmaeel, Manal S. Fawzy, Salwa Faisal. Angio-LncRNAs MIAT rs3200401/MALAT1 rs73390820 molecular variants paradoxical effect on Gensini score in coronary artery disease patients undergoing angiography. *Biomolecules* 2022, 12(1), 137.
50. Manal S. Fawzy, Baraah T. Abu AlSel, Essam Al Ageeli, Saeed Awad Al-Qahtani, Mohammad H Hussein, **Eman A. Toraih**. MicroRNA-499a (rs3746444A/G) gene variant and susceptibility to type 2 diabetes-associated end-stage renal disease. *Experimental and Therapeutic Medicine*, 2022 Jan;23(1):63. doi: 10.3892/etm.2021.10985.
51. Mourad Zerfaoui, **Eman Toraih**, Emmanuelle Ruiz, Moroz Krzysztof, Zakaria Abd Elmageed, Emad Kandil. Nuclear localization of BRAFV600E is associated with HMOX-1 upregulation and aggressive behaviour of melanoma cells. *Cancers (cancers-1067576)*. 2022 Jan 9;14(2):311. doi: 10.3390/cancers14020311.
52. Mahmoud Omar, Mohanad R. Youssef, Lily N Trinh, Abdallah S. Attia, Rami M Elshazli, Christina L Jardak, Ashraf S Farhoud, Mohammad H Hussein, Areej Shihabi, Ahmed Elnahla, Ghassan Zora, Mohamed Abdelgawad, Ruhul Munshi, **Eman A Toraih**, Manal S Fawzy, Emad Kandil. Excess of cesarean births in pregnant women with COVID-19: A meta-analysis. *Birth-* 2022 Jan 7.
53. Magnus Chun, Yichi Zhang, Chad Becnel, Tommy Brown, Mohamed Hussein, Eman Toraih, Sharven Taghavi, Chrissy Guidry, Juan Duchesne, Rebecca Schroll, Patrick McGrew. New injury severity score and trauma injury severity score are superior in predicting trauma mortality. *Journal of Trauma and Acute Care Surgery*. 2022 Mar 1;92(3):528-534.

54. Natacha Wathieu, Mohammad Hussein, Mahmoud Omar, Donald Wathieu, Kristin Skinner, **Eman Toraih**, Jeffrey Borchardt, Emad Kandil. Intraoperative neurophysiologic monitoring prevented iatrogenic spinal cord injury during a robotic-assisted transabdominal adrenalectomy. *Gland Surgery* 2022 Jun;11(6):970-980.
55. Scott Ninokawa, Danielle Tatum, **Eman Toraih**, Kristen D Nordham, Michael Ghio, Sharven Taghavi, Chrissy Guidry, Patrick McGrew, Rebecca Schroll, Charles Harris, Juan Duchesne. Elevated K/iCa ratio is an ancillary predictor for mortality in patients with severe hemorrhage: A decision tree analysis. *The American Journal of Surgery*. 2022 Jun;223(6):1187-1193. doi: 10.1016/j.amjsurg.2021.12.011.

2021

1. Nesreen M. Ismail, **Eman A. Toraih**, Mai H. S. Mohammad, Manal S. Fawzy. Association of microRNA-34a rs2666433 (A/G) variant with systemic lupus erythematosus in female patients: A case-control study. *International JCM* 2021 Oct 30;10(21):5095.
2. Magnus Chun, Fouad Saeg, Anna Meade, **Eman Toraih**, Abigail Chaffin, Christopher Homsy. Immediate Lymphatic Reconstruction for Prevention of Secondary Lymphedema: A Meta-Analysis. *Journal of Plastic, Reconstructive & Aesthetic Surgery* 2022 Mar;75(3):1130-1141. doi: 10.1016/j.bjps.2021.11.094.
3. Ruhul Munshi, Samia Jahan, Mohamed Hussein, **Eman Toraih**. Thoracic Air Leak Syndrome in COVID-19 Patients: An Emerging Complication. *South Asian Journal of Emergency Medicine*. 25.9.2021. Accepted.
4. Magnus Chun, Fouad Saeg, Anna Meade, **Eman Toraih**, Abigail Chaffin, Christopher Homsy. Immediate Lymphatic Reconstruction Drastically Lowers Lymphedema Incidence in Axillary and Inguinal Lymphadenectomy: A Systematic Review. *Plastic and Reconstructive Surgery - Global Open*. 2021, 9: 152-153. 10.1097/01.GOX.0000799888.81885.b1.
5. Chun, Magnus & Zhang, Yichi & Becnel, Chad & Hussein, Mohamed & **Toraih, Eman** & Guidry, Chrissy & Taghavi, Sharven & Duchesne, Juan & McGrew, Patrick. One Trauma Score Rules All: New Injury Severity Score Is Superior in Predicting Trauma Mortality. *Journal of the American College of Surgeons*. 2021, 233: e206-e207.
6. Taghavi, Sharven & **Toraih, Eman** & Tafazoli, Martin & Sedhom, Jessica & Tatum, Danielle & McGrew, Patrick & Kolls, Jay & Duchesne, Juan & Hussein, Mohamed. Examining Risk Factors for Trauma Patients in Acute Respiratory Distress Syndrome. *Journal of the American College of Surgeons*. 2021, 233. e217. 10.1016/j.jamcollsurg.2021.08.586.
7. Taghavi, Sharven & Maher, Zoe & Goldberg, Amy & Haut, Elliot & Raza, Shariq & Chang, Grace & Tatebe, Leah & **Toraih, Eman** & Tatum, Danielle. An Eastern Association for the Surgery of Trauma Multicenter Trial of Prehospital Procedures in Penetrating Trauma: A Propensity Matched Analysis of Police Transport. *Journal of the American College of Surgeons*. 2021, 233. e203. 10.1016/j.jamcollsurg.2021.08.549.
8. Yichi Zhang, Magnus Chun, Tommy Brown, Danielle Tatum, Chrissy Guidry, Patrick McGrew, **Eman Toraih**, Sharven Taghavi, Rebecca Schroll, Juan Duchesne. When Minorities Are the Majority—A Unique Study of Implicit Bias in Trauma Surgery. *JACS* Nov 2021, 233(5):S286. Doi 10.1016/j.jamcollsurg.2021.07.592
9. Ali, Ayman & Tatum, Danielle & Herbert, Rebecca & **Toraih, Eman** & Hussein, Mohamed & McGrew, Patrick & Duchesne, Juan & Taghavi, Sharven. (2021). Obstetric Trauma: Propensity-Score Matched Analysis. *Journal of the American College of Surgeons*. 233. S298-S299. 10.1016/j.jamcollsurg.2021.07.618.
10. Deena Hadedeya, Joshua Kay, Abdallah Attia, Mahmoud Omar, Mahmoud Shalaby, Mohanad R Youssef, Mohammed Shama, **Eman Toraih**, Emad Kandil. Effect of Postsurgical Chronic Hypoparathyroidism on Morbidity and Mortality: A Meta-Analysis. *Gland Surgery* 2021 Oct;10(10):3007-3019. doi: 10.21037/gs-21-181.
11. Hamdy E.A. Ali, Mohamed S.A. Gaballah, Rofaida Gaballa, Shahenda Mahgoub, Zeinab A. Hassan, **Eman A. Toraih**, Bettina F. Drake, Zakaria Y Abd Elmagee. Exosome-derived microRNAs stratify prostate cancer patients according to Gleason score, race and associate with survival of African American and Caucasian men. *Cancers* 2021, 13(20), 5236; <https://doi.org/10.3390/cancers13205236>.
12. Abdallah S. Attia, Mohammad Hussein, Mohamed Aboueshia, Mahmoud Omar, Mohanad R. Youssef, Peter Miller, Nicholas Mankowski, Ruhul Munshi, Aubrey Swinford, Adam Kline, Therese Nguyen, **Eman Toraih**, Juan Duchesne, Emad Kandil. Altered mental status is a predictor of poor outcomes in COVID-19 patients: A cohort study. *PlosOne*. 2021 Oct 5;16(10):e0258095. doi: 10.1371/journal.pone.0258095. eCollection 2021
13. Adam Kline, Lily N. Trinh, Mohammad H Hussein, Rami M. Elshazli, Manal S Fawzy, **Eman A Toraih**, Juan Duchesne, Emad Kandil. Annual Flu Shot: Does it help COVID-19 patients? *International J of Clinical practice*. 2021 Sep 21;e14901.
14. **Eman A. Toraih**, Manal S. Fawzy, Mohammad H. Hussein, Mohamad M. El-Labban, Emmanuelle M. L. Ruiz, Abdallah S. Attia, Shams Halat, Moroz Krzysztof, Youssef Errami, Mourad Zerfaoui, Emad Kandil. MicroRNA-based risk score for predicting tumor progression following radioactive iodine ablation in well-differentiated thyroid cancer patients: A propensity-score matched analysis. *Cancers*. 2021, 13(18), 4649; doi.org/10.3390/cancers13184649

15. **Eman A. Toraih**, Rami M. Elshazli, Lily Trinh, Mohammad H. Hussein, Abdallah S Attia, Emmanuelle Ruiz, Mourad Zerfaoui, Manal S. Fawzy, Emad Kandil. Diagnostic and prognostic performance of liquid biopsy-derived exosomal microRNAs in thyroid cancer patients: A systematic review and meta-analysis. *Cancers*. 2021 Aug 26;13(17):4295.
16. Mohammad Hussein, **Eman Toraih**, Adin S.C. Reisner, Peter Miller, Ralph Corsetti, Emad Kandil. Prevalence and mortality of cardiovascular events in patients with hyperthyroidism: A Nationwide Cohort Study in the United States. *The Gland Surgery* 2021 Sep;10(9):2608-2621. doi: 10.21037/gs-21-236.
17. Taghavi S., Abdullah S., McGrew P., Tatum D., Hussein M., **Toraih E.**, Duchesne J. The Burden of Hospital Readmission for Firearm Injuries Among Suicide Attempts and Other Shootings. *The American Journal of Surgery*. 17-3-2021.
18. Hye Ryeon Choi, Mohamed A Aboueisha, Abdallah S. Attia, Mahmoud Omar, Ahmad ELnahla, **Eman A Toraih**, Mohamed Shama, Woong Youn Chung, Jong Ju Jeong, Emad Kandil. Outcomes of subtotal parathyroidectomy versus total parathyroidectomy with autotransplantation for tertiary hyperparathyroidism: multi-institutional study. *Annals of Surgery*. 274 (4), 674-679.
19. Mohamed Aboueshia, Mohammad Hosny Hussein, Abdallah S. Attia, Aubrey Swinford, Peter Miller, Mahmoud Omar, **Eman Ali Toraih**, Nakhle Saba, Hana Safah, Juan Duchesne, Emad Kandil. Cancer and COVID-19: Analysis of patient outcomes. *Future Oncology*. 2021 Sep;17(26):3499-3510. doi: 10.2217/fon-2021-0121.
20. Hala M.F. Mohammad, Ahmed A. Abdelghany, Essam Al Ageeli, Shahad W. Kattan; Ranya Hassan, **Eman A. Toraih**, Manal S. Fawzy, Naglaa Mokhtar. Long non-coding RNAs variants as molecular markers for diabetic retinopathy risk and response to anti-VEGF therapy. *Pharmacogenomics and Personalized Medicine* 2021 Aug 14;14:997-1014.
21. Erik A Green, Chrissy Guidry, Charles Harris, Patrick McGrew, Rebecca Schroll, Mohammad Hussein, **Eman Toraih**, Jay Kolls, Juan Duchesne, Sharven Taghavi. Surgical stabilization of traumatic rib fractures is associated with reduced readmissions and increased survival. *Surgery*, 170(6), 1838–1848. <https://doi.org/10.1016/j.surg.2021.05.032>
22. John Jacob Pisquiy, **Eman Toraih**, Mohammad Hussein, Ahmad Thabet, Rami Khalifa. Utility of Intra-Operative Three-Dimensional Imaging in Pelvic and Acetabular Fractures: A Network Meta-Analysis. *JBJS Reviews* 9 (6), e20.
23. Manal S. Fawzy, **Eman A. Toraih**. MicroRNA signatures as predictive biomarkers in transarterial chemoembolization-treated hepatocellular carcinoma: A mini-review. *Precision Medical Sciences*. 2021:1-11.
24. Nouran B AbdAllah, **Eman A Toraih**, Essam Al Ageeli, Hala Elhagrasy, Nawal S Gouda, Manal S Fawzy, Ghada M Helal. MYD88, NFKB1, and IL6 transcripts overexpression are associated with poor outcomes and short survival in neonatal sepsis. *Scientific Reports*. 2021, 11: 13374.
25. Noha E. Farag, Mohamed K. El-Kherbetawy, Hussein M. Ismail, Ahmed M. Abdelrady, **Eman A Toraih**, Walid Kamal Abdelbasset, Rehab M. Lashine, Mohamed Eldosoky, Sally Yussef Abed, Khalid M. Morsy, Manal S. Fawzy, Sawsan Zaitone. Macrolide antibiotics aggravate cardiac pathology and worsen electrophysiology in myocardial infarct rats: influence on sodium Nav1.5 channel expression. *Pharmaceutics* 14(7), 597.
26. Ahmed Elnahla, Kayla Luliucci, **Eman Toraih**, Juan Duchesne, Ronald Nichols, Emad Kandil. The Efficacy of The Use of Presumptive Antibiotics in Tube Thoracostomy In Thoracic Trauma-Results of a Meta-Analysis. *The American Journal of Surgery*. 2021 May 13; S0002-9610(21)00282-8. doi: 10.1016/j.amjsurg.2021.05.003.
27. Rania Makboul, Islam F Abdelkawi, Dalia M Badary, Mahmoud R.A. Hussein, John S. Rhim, **Eman A. Toraih**, Mourad Zerfaoui, Zakaria Y. Abd Elmageed. Transmembrane and tetratricopeptide repeat containing 4 is a novel diagnostic marker for prostate cancer with high specificity and sensitivity. *Cells* 2021, 10(5), 1029.
28. Amani MT Gusti, Safaa Y. Qusti, Eida M. Alshammari, **Eman A Toraih**, Manal S Fawzy. Antioxidants-related superoxide dismutase (SOD), catalase (CAT), glutathione peroxidase (GPx), glutathione-S-transferase (GST), and nitric oxide synthase (NOS) gene variants analysis in an obese population: A case-control study. *Antioxidants* 2021, 10(4), 595.
29. Mahmoud Shalaby, Deena Hadedeya, **Eman A. Toraih**, Michael A Razavi, Grace S. Lee, Mohammad Hosny Hussein, Mandy C. Weidenhaft, Michael J Serou, Kareem Ibraheem, Mohamed Abdelgawad, Emad Kandil. Predictive Factors of Radioiodine Therapy Failure in Graves' Disease: Meta-analysis. *American Journal of Surgery*. 2021 Apr 14; S0002-9610(21)00229-4.
30. Eman A. Mohamed, **Eman A. Toraih**, Noha Kamel, Lina M. Atef, Gehan H. Ibrahim, Amal H.A. Gomaa. Transcriptomic signature of WNT5A in patients with psoriasis treated with platelet-rich plasma compared to topical calcipotriol/ betamethasone dipropionate. *Gene Reports*, June 2021, 23: 101114.
31. Amani Gusti, Safaa Qusti, Suhad Bahijri, **Eman Toraih**, Samia Bokhari, Sami Attallah, Abdulwahab Alzahrani, Hawazin Alotaibi, Manal Fawzy. Glutathione S-transferase (rs17856199) and Nitric Oxide Synthase (rs2297518) genotype combination as oxidative stress-related molecular markers in patients with type 2 diabetes mellitus. *Diabetes Metab Syndr Obes*. 25 March, 2021;14:1385-1403.

32. Nawal Gouda, **Eman Toraih**, Manal Fawzy. Impact of Cytotoxic T-lymphocyte Associated Protein 4 codon 17 variant and expression on vitiligo risk. *Journal of Clinical Laboratory Analysis*. 35 (6), e23777. 2021.
33. Shahad Kattan, Yahya Hobani, Sameerah Shaheen, Mohammad Hussein, **Eman Toraih**, Manal Fawzy, Hussein Abdelaziz Abdalla. Association of Cyclin-Dependent Kinase Inhibitor 2B Antisense RNA 1 gene expression and rs2383207 variant with breast cancer risk and survival. *Cellular & Molecular Biology Letters*, 2021, 26 (1), 1-25.
34. August Houghton, Olan Jackson-Weaver, **Eman Toraih**, Nicholas Burley, Terence Byrne, Patrick McGrew, Juan Duchesne, Danielle Tatum, Sharven Taghavi. Firearm Homicide Mortality is Influenced by Structural Racism in U.S. Metropolitan Areas. *Journal of Trauma and Acute Surgery*. 2021; July 2021 - Volume 91 - Issue 1 - p 64-71.
35. Mourad Zerfaoui, Titilope Dokunmu, **Eman Toraih**, Bashir Rezk, Zakaria Abd Elmageed, Emad Kandil. New insights into the link between melanoma and thyroid cancer: Role of nucleocytoplasmic trafficking. *Cells* 2021, 10(2), 367.
36. **Eman Ali Toraih**, Mohammad Hosny Hussein, Abdallah S. Attia, Assem Marzouk Ellythy, Arwa Mostafa, Emmanuelle ML Ruiz, Mourad Zerfaoui, Mohamed Ahmed Shama, Jonathon O. Russell, Gregory W. Randolph, Emad Kandil. Site-specific metastasis and survival in papillary thyroid cancer: the importance of brain and multi-organ disease. *Cancers* 2021, 13(7), 1625.
37. Lily N Trinh, Andrew R Crawford, Mohammad H Hussein, Mourad Zerfaoui, **Eman A Toraih**, Gregory W Randolph, Emad Kandil. Deciphering the risk of Developing Second Primary Thyroid Cancer Following a Primary Malignancy - Who is at the greatest risk? *Cancers*, 13(6), 1402; <https://doi.org/10.3390/cancers13061402>.
38. Afaf ibbraheim, Manal Fawzy, Baraah AbuAlSel, **Eman Toraih**. Prognostic value of BRAF/MIR-17 signature and B-RAF protein expression in patients with colorectal cancer. *Journal of Clinical Laboratory Analysis*. March 2021. Volume 35, issue 3: e23679.
39. Emad Kandil, Deena Hadedeya, Mahmoud Shalaby, **Eman Toraih**, David Aparicio, Meghan Garstka, Ruhul Munshi, Ahmed Elnahla, Jonathon O. Russell, Patrick Aidan. Robotic-assisted parathyroidectomy via transaxillary approach: feasibility and learning curves. *Gland surgery* 2021;10(3):953-960.
40. **Eman Toraih**, Mohammad Hussein, Danielle Tatum, Adin Reisner, Emad Kandil, Mary Killackey, Juan C. Duchesne, Sharven Taghavi. The Burden of Readmission After Discharge from Necrotizing Soft Tissue Infection. *Journal of Trauma and Acute Care Surgery*. 91(1):154-163, July 2021. DOI: 10.1097/ta.00000000000003169.
41. Saleh A. Alghamadi, Shahad W. Kattan, **Eman A. Toraih**, Majed Alrowailia, Manal S Fawzy, Rami M ElShazli. Association of AIRE (rs2075876), but not CTLA4 (rs231775) polymorphisms with systemic lupus erythematosus. *Gene*; 768, 5 February 2021, 145270. <https://doi.org/10.1016/j.gene.2020.145270>.
42. Ruhul Munshi, Mohammad Hussein, **Eman Toraih**, Rami Elshazli, Christina Jardak, Nasrin Sultana, Mohanad Youssef, Mahmoud Omar, Abdallah S Attia, Manal Fawzy, Mary Killackey, Emad Kandil, Juan Duchesne. Vitamin D insufficiency as a potential culprit in critical COVID-19 patients. *Journal of Medical Virology* 2021 Feb;93(2):733-740. doi: 10.1002/jmv.26360.
43. Rami M. Elshazli, Adam Kline, Abdelaziz Elgaml, Mohamed H. Aboutaleb, Mohamed M. Salim, Mahmoud Omar, Ruhul Munshi, Nickolas Mankowski, Mohammad Hosny Hussein, Abdallah S. Attia, **Eman A. Toraih**, Ahmad Settin, Mary Killackey, Manal Said Fawzy, Emad Kandil. Gastroenterology manifestations and COVID-19 outcomes: A meta-analysis of 25,252 cohorts among the first and second waves. *Journal of Medical Virology* 2021 May;93(5):2740-2768. doi: 10.1002/jmv.26836.
44. **Eman A. Toraih**, Mohammad H. Hussein, Rami M Elshazli, Adam Kline, Ruhul Munshi, Nasrin Sultana, Sharven Taghavi, Mary Killackey, Juan Duchesne, Manal S Fawzy, Emad Kandil. Multisystem Inflammatory Syndrome in pediatric COVID-19 patients: A meta-analysis. *World Journal of Pediatric* 2021 Feb 20; 17(2), 141-151.
45. Mohammad Hosny Hussein, Rami M Elshazli, Abdallah S Attia, Therese Nguyen, Mohamed Aboueisha, Ruhul Munshi, **Eman Toraih**, Manal Fawzy, Emad Kandil. Asthma and COVID-19; different entities, same outcome: A meta-analysis of 107,983 patients. *Journal of Asthma*, 26 Jan 2021:1-11.
46. Ahmed Elnahla, Abdallah S Attia, **Eman Toraih**, Chrissy Guidry, Mounika Akkera, Rebecca Schroll, Mary Killackey, Ronald Nichols, Emad Kandil. Prognostic Factors of Mortality in *Vibrio Vulnificus* Sepsis and Soft Tissue Infections: Meta-Analysis. *Surgical infection* 2021 Nov;22(9):928-939. doi: 10.1089/sur.2020.243.
47. Catherine Starks, Mounika Akkera, Mahmoud Shalaby, Ruhul Munshi, **Eman Toraih**, Grace S. Lee, Emad Kandil. Evaluating YouTube Videos as a Patient Education Source for the Queries: "Robotic Thyroid Surgery" and "Transoral Thyroid surgery. *Gland surgery* 2021 Feb;10(2):697-705. doi: 10.21037/gs-20-734.
48. Manal S. Fawzy, Abeer Fakhr-Eldeen, Baraah T. Abu AlSel, **Eman A. Toraih**. Molecular analysis of Homeostatic iron regulator, trans-membrane protease serine-6, and BTB domain-containing protein-9 variants and iron parameters in blood donors. *Bioscience Reports*, 2021 Jan 29;41(1): BSR20202584. doi: 10.1042/BSR20202584.
49. Harrison M. Penrose, **Eman Toraih**, Emmanuelle Ruiz, Rida Iftikhar, Morgan Collins, Emad Kandil, Suzana D. Savkovic. Ulcerative colitis immune cell landscapes and differentially expressed gene signatures determine novel

regulators and predict clinical response to biologic therapy. *Inflammatory Bowel Diseases* 27 (Supplement_1), S28-S29.

50. **Eman Toraih**, Mohammad Hussein, Rami Elshazli, Manal Fawzy, August Houghton, Danielle Tatum, Mary Killackey, Emad Kandil, Juan Duchesne. Time-varying reproductive rates for COVID-19 and its implications as a means of disease surveillance on lockdown restrictions. *Annals of Surgery* 273(1):28-33, January 2021.4.
51. Mohanad R. Youssef, Adin S.C. Reisner, Abdallah S. Attia, Mohamed Hussein, Mahmoud Omar, Anna LaRussa, Carlos A Galvani, Mohamed Aboueisha, Mohamed Abdelgawad, **Eman Ali Toraih**, Gregory W. Randolph, Emad Kandil. Obesity and the Prevention of Thyroid Cancer: Impact of Body Mass Index and Weight Change on Developing Thyroid Cancer - Pooled Results of 24 million Cohorts. *Oral oncology*. Volume 112, January 2021, 105085 (doi.org/10.1016/j.oraloncology.2020.105085).
52. Lisa C. Ngo, Ahmed Elnahla, Abdallah S. Attia, Mohamed Hussein, **Eman A. Toraih**, Emad Kandil, Mary Killackey. Chemoembolization vs. Radioembolization for Neuroendocrine Liver Metastases: A Meta-analysis Comparing Clinical Outcomes. *Annals of Surgical Oncology*, 2021, 28 (4), 1950-1958 (doi.org/10.1016/j.jamcollsurg.2020.07.131).
53. **Eman A. Toraih**, Ahmed Anwar, Manal S. Fawzy. Collagen gene variant (COL4A3: rs55703767): a putative predictor for response to Riboflavin/Ultraviolet A-induced collagen cross-linking in female keratoconus patients. *Cornea* 2021, 40 (1), 88-98.
54. **Eman Ali Toraih**, Jessica Ashraf Sedhom, Titilope Modupe Dokunmu, Mohammad Hosny Hussein, Emmanuelle ML Ruiz, Kunnimalaiyaan Muthusamy, Mourad Zerfaoui, Emad Kandil. Hidden in plain sight: The effects of BCG vaccination in COVID-19 pandemic. *Journal of Medical Virology* 2021 93 (4), 1950-1966. doi: 10.1002/jmv.26707.
55. Abdallah S. Attia, Ahmed Elnahla, Mohammad H Hussein, Helmi S. Khadra, Grace S. Lee, **Eman Toraih**, Emad Kandil. Impact of Psychiatric Comorbidities on Outcomes related to Thyroid and Parathyroid Surgeries. *Annals of Surgery* Volume 169, Issue 1, January 2021, Pages 209-219.
56. Manal S. Fawzy, **Eman A. Toraih**. Analysis of the autoimmune regulator (AIRE) gene variant rs2075876 (G/A) association with breast cancer susceptibility. *J Clin Lab Anal* 2020 Sep;34(9):e23365. doi: 10.1002/jcla.23365.
57. Manal S. Fawzy, Afaf T. Ibrahim, Baraah T. Abu AlSel, Saleh A. Alghamdi, **Eman A. Toraih**. Analysis of microRNA-34a expression profile and rs2666433 variant in colorectal cancer – a pilot study. *Scientific Reports* Oct 2020, 10 (1), 1-12.

2020

1. Manal S. Fawzy, Baraah T. Abu AlSel, **Eman A. Toraih**. Analysis of MicroRNA processing machinery gene (DROSHA, DICER1, RAN and XPO5) variants and end-stage renal disease. *Journal of Clinical Laboratory Analysis*. 07 August 2020, 34 (12), e23520.
2. Rami ELshazli, Hamada A. Abdel-Diam, Afaf M. Elsaid, Amany A. Mousa, Mervat M. El-Eshmawy, Lashin S. Lashin, **Eman A. Toraih**. Unleash the association of mitochondrial uncoupling protein (UCP2) promoter variant (G-866A; rs659366) with obesity: Stepping from a case-control study to a meta-analysis. *Biochemical Genetics* 58(5) Oct 2020.
3. August C Houghton, Jessica K Friedman, Alison A Smith, **Eman A Toraih**, Megan R Flanagan, Rebecca W Schroll, Chrissy Guidry, Patrick R McGrew, Samir M Fakhry, Juan C Duchesne. Zero preventable deaths by 2020: analysis of prehospital and emergency department deaths following penetrating trauma stratified by anatomic location. *The American Surgeon* 0003134820945251 (2020/11/15). (doi: 10.1177/0003134820945251).
4. Mohammad Hosny Hussein, **Eman Ali Toraih**, Abdallah S Attia, Nicholas Burley, Allen D Zhang, Jackson Roos, August Houghton, Nedum Aniemeka, Mahmoud Omar, Mohamed Aboueisha, Mohamed Ahmed Shama, Juan Duchesne, Emad Kandil. Asthma in COVID-19 patients: An extra chain fitting around the neck? *Respiratory Medicine* 2020 Dec;175:106205.
5. **Eman A. Toraih**, Manal S. Fawzy, Abdelrahman Ibrahim Abushouk, Sameerah Shaheen, Yahya H Hobani, Abdulmohsen M Alruwetei, Omnia A Mansouri, Emad Kandil, Dahlia I. Badran. Prognostic value of microRNA-27a and PPAR/RXR α signaling axis in patients with thyroid carcinoma. *Epigenomics* 2020 Sep 24. VOL. 12, NO. 20, <https://doi.org/10.2217/epi-2020-0167>.
6. **Eman Toraih**, Juan Duchesne, Danielle Tatum, Mohammad Hussein. Development of an inclusive inter-hospital resource allocation to mitigate States hospital capacity during COVID-19. *Panamerican Journal of Trauma, Critical Care & Emergency Surgery* Volume 9, pp 147-154; doi:10.5005/jp-journals-10030-1281.
7. **Eman A. Toraih**, Aya El-Wazir, Essam Al Ageeli, Mohammad H. Hussein, Mohamed M. Eltoukhy, Mary Killackey, Emad Kandil, Manal S. Fawzy. Unleash multifunctional role of long non-coding RNAs biomarker panel in breast cancer: a predictor classification model. *Epigenomics* Aug 2020; 1153–1155. (doi.org/10.2217/epi-2019-0291)
8. **Eman A. Toraih**, Rami M. Elshazli, Mohammad H. Hussein, Abdelaziz Elgaml, Mohamed Nasreldien Amin, Mohammed El-Mowafy, Mohamed El-Mesery, Assem Ellythy, Juan Duchesne, Mary T. Killackey, Keith C.

- Ferdinand, Emad Kandil, Manal S. Fawzy. Association of cardiac biomarkers and comorbidities with increased mortality, severity, and cardiac injury in COVID-19 patients: A meta-regression and Decision tree analysis. *Journal of Medical Virology* 2020 Nov;92(11):2473-2488.
9. Mohammad Hussein, **Eman Toraih**, Rami Elshazli, Manal Fawzy, August Houghton, Danielle Tatum, Mary Killackey, Emad Kandil, Juan Duchesne. A meta-analysis on serial intervals and basic and time-varying reproductive rates for COVID-19. *Annals of Surgery*. 273 (3), 416-423. doi: 10.1097/SLA.0000000000004400.
 10. Hesham Nada, Ranya Hassan, Rasha Abd El-Hamed Ibrahim, Omnia Emad Adbelsalam, Amal Fathy, **Eman Toraih**, Mona Atwa. Interleukin 17 receptor A haplotype analysis in chronic spontaneous urticaria. *Journal of Cosmetic Dermatology* 10 July 2020 JCD-06-2020-563 (doi.org/10.1111/jocd.13730).
 11. Ahmed Elnahla, Deena Hadedya, Abdallah Attia, Mohanad Youssef, Bryce R. Christensen, Hosam Shalaby, **Eman Toraih**, Emad Kandil. Diagnostic Accuracy of Ultrasound in Predicting Extrathyroidal Extension and Its Relation to The Body Mass Index in North American Population. *Journal of the American College of Surgeons* 231 (4), S75.
 12. Mahmoud Shalaby, Deena Hadedeya, Grace S. Lee, **Eman Toraih**, Emad Kandil. Impact of Surgeon-Performed Ultrasound on Treatment of Thyroid Cancer Patients. *The American Surgeon* 2020 Sep;86(9):1148-1152.
 13. Ahmed Anwar, **Eman A. Toraih**, Ahmed A. Mohamed, Rehab M. Lashine, Mai H. Saleh, Mohamed S. Nafie, Manal S. Fawzy. Association of VEGF Gene Family Variants with Central Macular Thickness and Visual Acuity after Aflibercept Short-Term Treatment in Diabetic Patients: A Pilot Study. *Ophthalmic Res*. 2021;64(2):261-272. Epub 2020 Aug 24.
 14. Rami M. Elshazli, **Eman A Toraih**, Abdelaziz Elgaml, Mohammed El-Mowafy, Mohamed El-Mesery, Mohamed Nasreldien Amin, Mohammad H Hussein, Mary T. Killackey, Manal S Fawzy, Emad Kandil. Diagnostic and prognostic value of hematological and immunological markers in COVID-19 infection: A meta-analysis of 6320 patients. *PlosOne*. 2020 Aug 21;15(8):e0238160. doi: 10.1371/journal.pone.0238160. eCollection 2020.
 15. Abdelhady Abdel-Gawad, Sameerah Shaheen, Nouf Babteen, **Eman Toraih**, Rami Elshazli, Manal Fawzy, Nawal Gouda. Association of MicroRNA 17 Host Gene variant (rs4284505) with susceptibility and severity of Systemic Lupus Erythematosus. *Immunity, Inflammation and Disease* 27 August 2020, 8 (4), 595-604.
 16. Nader Ali Ismail, **Eman Ali Toraih**, Hatem Mohamed Ameen, Amal Hussein Ahmed Gomaa, Radwa El-Sayed Mahmoud Marie. Association of Rs231775 Genetic Variant of Cytotoxic T-lymphocyte Associated Protein 4 with Alopecia Areata Disease in Males: A Case–Control Study. *Immunol Invest*. 2021 Nov;50(8):977-986.
 17. Shaimaa Sahmoud, Samar Elfiky, **Eman A. Toraih**, Manal S. Fawzy, Noha Kamel, Mostafa S. Ibrahim. Association of VDBP rs4701 variant, but not VDR/RXR- α over-expression with bone mineral density in pediatric β -Thalassemia patients: Vitamin D metabolic axis and BMD in β -thalassemia. *Mediterranean J Haematology and Infectious disease* 2020;12(1): e2020037.
 18. Nagla A. El-Sherbeeney, Afaf T. Ibrahim, Howaida S. Ali, Noha E. Farag, **Eman A. Toraih**, Sawsan A. Zaitone. Carbamazepine conquers spinal GAP43 deficiency and glial reactivity in diabetic mice: novel mechanisms in alleviating allodynia and hyperalgesia. *Archives of Pharmacal Research* 43, pages724–734(2020)
 19. Danielle Tatum, Sharven Taghavi August Houghton, Jacob Stover, **Eman Toraih**, Juan Duchesne. Neutrophil-to-lymphocyte ratio and outcomes in Louisiana COVID-19 patients. *SHOCK* 2020 Nov;54(5):652-658.
 20. Abdallah S Attia, Mohanad R Youssef, Mahmoud Omar, Mohammad Hosny Hussein, Mohamed Ahmed Aboueisha, Ghassan Zora, Mohamed Ahmed Shama, **Eman Ali Toraih**, Emad Kandil. Characteristic features, laboratory findings and outcomes of confirmed COVID-19 patients presenting with neurologic symptoms. *BMC Neurology* (2088969886203358) 28-7-2020.
 21. Mohanad Youssef, Mohammad Hussein, Abdallah S Attia, Rami Elshazli, Mahmoud Omar, Ghassan Zora, Ashraf Farhoud, Ahmad Elnahla, Areej Shihabi, **Eman Toraih**, Manal Fawzy, Emad Kandil. COVID-19 and Liver Dysfunction: a systematic review and meta-analysis of retrospective studies. *Journal of Medical Virology* 9-May-2020, 10 (1002), 10.1002.
 22. Manal S. Fawzy, Ranya Hassan, Walla Alelwani, Shahad W. Kattan, Afnan M. Alnajeebi, **Eman A. Toraih**. The prognostic value of microRNA-biogenesis genes Argonaute 1 and 2 variants in breast cancer patients. *American Journal of Translational Research* 2020; 12(5):1994-2006.
 23. Nouf Abubakr Babteen, Manal S.Fawzy, Walla Alelwani, Raed A. Alharbi, Abdulmohsen M. Alruwetei, **Eman A. Toraih**, Rami M. Elshazli. Signal peptide missense variant in cancer-brake gene CTLA4 and breast cancer outcomes. *Gene* May 2020, 737, 144435
 24. Shereen E. Elkholy, Samah M. Elaidy, Nagla A. Elsherbeeney, **Eman A. Toraih**, Hoda W. Elgawly. Neuroprotective effects of ranolazine versus pioglitazone in experimental diabetic neuropathy: Targeting Nav1.7 channels and PPAR- γ . *Life Sciences*, March 14, 2020,117557.
 25. Ahmed A. Abdelghany, **Eman A. Toraih**, Abeer M. Mohamed, Manal S. Fawzy. Association of circulating long non-coding RNAs H19 and GAS5 with type 2 diabetes, but not with diabetic retinopathy: A cross-sectional study. *Bosn J of Basic Med Sci* 2020 Jan.30, 20 (3), 365

26. Manal S Fawzy, **Eman A Toraih**, Essam Al Ageeli, Saeed Awad Al-Qahtanie, Mohamed H Hussein, Emad Kandil. Noncoding RNAs orchestrate cell growth, death, and drug resistance in renal cell carcinoma. *Epigenomics* 3 Feb 2020 vol 12 (3): 199-219.

2019

1. **Eman A Toraih**, Aya El-Wazir, Mohammad H Hussein, Moetaz Samir Khashana, Amgad Matter, Manal Said Fawzy, Somaya Hosny. Expression of long intergenic non-coding RNA, regulator of reprogramming (ROR) and its prognostic value in patients with glioblastoma. *The International Journal of Biological Markers*, March 11, 2019, 1724600818814459.
2. Mohammed Yehya Farag, Ali Abdellah Abdelrahman, Emad Eldin Ahmed Ibrahim, **Eman Ali Toraih**, Marwa Mohamed Azab. Incidence of sepsis in adult Patients in Intensive care units in Ismailia Main Hospitals. *Records of Pharmaceutical and Biomedical Sciences* 4 (1), 13-16 (10.21608/rpbs.2019.16511.1037).
3. **Eman A Toraih**, Hatem M Ameen, Mohammad H Hussein, Ahmed A Youssef Elabde, Abeer M Mohamed, Abdelhady Ragab Abdel-Gawad, Manal Said Fawzy. Association of Autoimmune Regulator Gene Rs2075876 Variant, but Not Gene Expression with Alopecia Areata in Males: A Case-control Study. *Immunological Investigation* 2019 Oct 11:1-20.
4. Rami M. Elshazli, **Eman A. Toraih**, Abdelaziz Elgaml, Emad Kandil, Manal S. Fawzy. Genetic polymorphisms of TP53 (rs1042522) and MDM2 (rs2279744) and colorectal cancer risk: An updated meta-analysis based on 59 case-control studies. *Gene*, 734, 144391, 2020 Apr 15 (DOI: 10.1016/j.gene.2020.144391).
5. Abeer Fakhr-Eldeen, **Eman A. Toraih**, Manal S Fawzy. Long non-coding RNAs MALAT1, MIAT and ANRIL expression profiles in beta-thalassemia patients: A preliminary cross-sectional analysis. *Hematology* December 2019, 24 (1), 308-317
6. Rabie Elshaer, Mona K. Tawfik, Nermine Nosseir, Sabah H. El-Ghaiesh, **Eman A. Toraih**, Nehal M. Elsherbiny, Sawsan A. Zaitone. Leflunomide-induced liver injury in mice: involvement of TLR4 mediated activation of PI3K/mTOR/NFκB pathway. *Life Sciences* Available online 30 August 2019, 116824.
7. Manal S Fawzy, **Eman A Toraih**, Essam Al Ageeli, Abeer M Mohamed, Baraah T Abu AlSel, Shahad W Kattan, Walla Alelwani. Group-specific component exon 11 haplotypes (D432E and T436K) and risk of albuminuria in type 2 diabetes mellitus patients. *Archives Of Physiology And Biochemistry* 1-10, 2019 Sep 18.
8. **Eman A. Toraih**, Ahmed Anwar, Noha M Abd El Fadeal, Essam Al Ageeli, Manal S. Fawzy. Deciphering the role of circulating lncRNAs: RNCR2, NEAT2, CDKN2B-AS1, PVT1 and the possible prediction of anti-vascular endothelial growth factor treatment outcomes in diabetic retinopathy patients. *Graefes Arch Clin Exp Ophthalmol*. 2019 Sep;257(9):1897-1913.
9. Hala M.F. Mohammad, Manal M. Sami, Samy Makary, **Eman A. Toraih**, Amany O. Mohamed, Sabah H. El-Ghaiesh. Neuroprotective effect of levetiracetam in mouse diabetic retinopathy: effect on glucose transporter-1 and GAP43 expression. *Life Science* September 2019, 232, 116588
10. Alzahrani S, Ezzat W, Elshaer RE, Abd El-Lateef AS, Mohammad HMF, Elkazaz AY, **Toraih E**, Zaitone SA. Standardized Tribulus terrestris extract protects against rotenone-induced oxidative damage and nigral dopamine neuronal loss in mice. *J Physiol Pharmacol*. 2018 Dec; 69(6). (doi: 10.26402/jpp.2018.6.14). Epub 2019 Mar 18.
11. **Eman A. Toraih**, Aya El-Wazir, Saleh A. Alghamdi, Ayman S. Alhazmi, Mohammad El-Wazir, Mohamed M. Abdel-Daim, Manal S. Fawzy. Association of long non-coding RNA MIAT and MALAT1 expression profiles in peripheral blood of coronary artery disease patients with previous cardiac events. *Genetics and Molecular Biology* 2019 Jun 10. pii: S1415-47572019005020101.
12. **Eman A. Toraih**, Ahmed Toreih, Manal S Fawzy. Catching the driver mutations in Ewing sarcoma tumor: An in silico genomic analysis. *World Cancer Research Journal* 2019;6: e1321. DOI: 10.32113/wcrj_20196_1321
13. Manal S Fawzy, **Eman Ali Toraih**, Aya El-Wazir, Marwa M Hosny, Dahlia I Badran, Mohammad H Hussein, Amr El Kelish. Long intergenic non-coding RNA, regulator of reprogramming (LINC-ROR) over-expression predicts poor prognosis in renal cell carcinoma. *Archives of Medical Science* 2019/05/17, 15(1)
14. **Eman A. Toraih**, Aya El-Wazir, Hoda Y. Abdallah, Mohamed A. Tantawy, Manal S. Fawzy. Deregulated microRNA signature following glioblastoma irradiation. *Cancer control* 2019 Jan-Dec;26(1):1073274819847226.
15. **Eman A. Toraih**, Hoda Y. Abdallah, Essam A. Rashed, Aya El-Wazir, Mohamed A. Tantawy, Manal S. Fawzy. Comprehensive data analysis for development of custom qRT-PCR microRNA assay for glioblastoma: A pre-validation study. *Epigenomics* February 22, 2019; 11 (4) (doi.org/10.2217/epi-2018-0134).
16. Manal S Fawzy, Mariam A. Alshammari, Ashwaq A. Alruwaili, Rehab TR Alanazi, Jewaher AM Alharbi, Abdulaziz MR Almasoud, Reem A Alshammari, **Eman A. Toraih**. Factors associated with diabetic foot among type 2 diabetes in Northern area of Saudi Arabia: a descriptive study. *BMC Research Notes* 2019, 12:51.

2014-2018

1. Manal S Fawzy, Mona G. Elgazzaz, Ahmed Ibrahim, Mohammad H Hussein, Motaz S Khashana, **Eman A Toraih**. Association of Group-specific Component Exon 11 Polymorphisms with Bronchial Asthma in Children and Adolescents. *Scandinavian Journal of Immunology* 2018 Dec 12; e12740 (doi: 10.1111/sji.12740).
2. **Eman A Toraih**, Saleh Ali Alghamdi, Aya El-Wazir, Mohammad H Hussein, Marwa M. Hosny, Moetaz Samir Khashana, Manal Said Fawzy. Dual biomarkers long non-coding RNA GAS5 and microRNA-34a co-expression signature in common solid tumors. *PloS One* 13(10): e0198231 (Doi: <http://dx.doi.org/10.1101/325175>).
3. Eman H El-Sayed, Mai H. Saleh, Mohsen H Al-Shahaly, **Eman A Toraih**, Amal F Abd El-Haii. IL-37 Gene variant (rs3811047): a marker of disease activity in Egyptian Rheumatoid Arthritis Patients: a pilot study. *Autoimmunity* 2018 Dec; 51(8):378-385.
4. Mohamed Abdel-Daim, Abdelrahman Abushouk, Maha Alkhalf, **Eman Toraih**, Manal Fawzy, Hira Ijaz, Lotfi Aleya, Simona Bungau. Antagonistic effects of Spirulina platensis against diazinon-induced hemato-biochemical alterations and oxidative stress in rats. *Environmental Science and Pollution Research* 2018 Sep; 25(27):27463-27470. (doi: 10.1007/s11356-018-2761-0).
5. **Eman A. Toraih**, Hani G Alrefai, Mohammad H Hussein, Ghada M Helal, Motaz S. Khashana, Manal S Fawzy. Overexpression of heat shock protein HSP90AA1 and translocase of the outer mitochondrial membrane TOM34 in HCV-induced hepatocellular carcinoma: A pilot study. *Clinical Biochemistry Volume* 63, January 2019, 10-17
6. **Eman A Toraih**, Mohammad H Hussein, Ahmed Ibrahim, Nouran B. AbdAllah, Eman A. Mohammed, Ali M Kishk, Manal S Fawzy. Beta2-adrenergic receptor variants in children and adolescents with bronchial asthma. *Frontiers In Bioscience, Elite*, 11, 61-77, Jan 1, 2019 (DOI No: 10.2741/846).
7. Manal S. Fawzy, Baraah T. Abu AlSel, Essam Al Ageeli, Saeed Awad Al-Qahtani, Mohamed M. Abdel-Daim, **Eman A. Toraih**. Long non-coding RNA MALAT1 and microRNA-499a expression profiles in diabetic ESRD patients undergoing dialysis: A preliminary cross-sectional analysis. *Archives Of Physiology And Biochemistry* 2018 Sep 29:172-182.
8. Manal S Fawzy, Alia Ellawindy, Mohammad H Hussein, Moetaz Samir Khashana, Marwa Darwesh, Mohamed M. Abdel-Daim, **Eman Ali Toraih**. The long non-coding RNA H19, and not microRNA miR-326, is over-expressed and predicts survival in glioblastoma. *Canadian Journal of Biochemistry and Cell Biology* 2018, 96(6): 832-839
9. Rami Elshazli, Doaa Salman, Maha Kamel, **Eman Toraih**, Manal Fawzy. Genetic polymorphisms of IL-17A rs2275913, rs3748067 and IL-17F rs763780 in gastric cancer risk: Evidence from 8124 cases and 9873 controls. *Molecular Biology Report* 2018 Jun 2, 45 (5), 1421-1444 (Doi.org/10.1007/s11033-018-4202-z).
10. Kareem Ibraheem, **Eman A. Toraih**, Antoine B. Haddad, Mahmoud Farag, Gregory W. Randolph, Emad Kandil. Selective Parathyroid Venous Sampling in Primary Hyperparathyroidism: A Systematic Review and Meta-analysis. *The Laryngoscope* 2018 May 14, 128 (11), 2662-2667 (Doi: 10.1002/lary.27213).
11. Mohamed M. Abdel-Daim, Hazem M. Shaheen, Abdelrahman Ibrahim Abushouk, **Eman A. Toraih**, Manal S. Fawzy, Wafa S. Alansari, Lotfi Aleya, Simona Bungau. Thymoquinone and Diallyl Sulfide Protect against Fipronil-Induced Oxidative Injury in Rats. *Environmental Science and Pollution Research International* 2018 Jun 7, 25 (24), 23909-23916.
12. Belal Ahmed Soliman, Mohamed Hassany Ali, **Eman Ali Toraih**, Mohamed Abdelhamid Hasan Ahmed. Mitochondrial Translocase Expression Profile in Renal Cancer. *The Egyptian Journal of Hospital Medicine* (January 2018) Vol. 70 (6), Page 974-979. (DOI: 10.12816/0044346)
13. Aya El-Wazir, Marwa M. Hosny, Hoda Y. Abdallah, Noura R. Abdel-hamid, **Eman A. Toraih**, Manal S. Fawzy. OncomiR-27a rs895819 variant and breast cancer risk: an updated meta-analysis. *Meta gene* Volume 16, June 2018, Pages 170-181.
14. **Eman A Toraih**, Alia Ellawindy, Salma Y Fala, Essam Alageeli, Nawal Gouda, Manal S Fawzy, Somaya Hosny. Oncogenic long noncoding RNA MALAT1 and HCV-related hepatocellular carcinoma. *Biomedicine & Pharmacotherapy* 2018 Mar; 102:653-669.
15. Manal Said Fawzy, Dahlia I. Badran, Essam Al Ageeli, Saeed Awad M Al-Qahtani, Saleh Ali Alghamdi, Ghada M Helal, **Eman A Toraih**. Longevity-related genes transcriptomic signature in glioblastoma multiforme. *Oxidative Medicine and Cellular longevity* 2018 Mar 21; 2018: 8753063, 12 pages.
16. **Eman A Toraih**, Hoda Yousry, Nagwa M Aly, Saeed Awad M. Al-Qahtani, Aly A. M. Shaalan, Mohammad H Hussein, Manal S Fawzy. MicroRNAs-target cross-talks: key players in glioblastoma multiforme. *Tumor Biology* November 2017:1-22.
17. Manal S. Fawzy, **Eman A. Toraih**, Afaf Ibrahiem, Hala Abdeldayem, Amany O Mohamed, Mohamed M. Abdel-Daim. Evaluation of miRNA-196a2 and apoptosis-related target genes: ANXA1, DFFA and PDCD4 expression in gastrointestinal cancer patients. *PLoS One* 12(11):e0187310 · November 2017.
18. Zekrayat JH Medras, Norhan M El-Sayed, Sawsan A. Zaitone, **Eman A Toraih**, Manal Sami, Yasser M Moustafa. Glutamine up-regulates pancreatic sodium-dependent neutral aminoacid transporter-2 and mitigates islets apoptosis in diabetic rats. *Pharmacological reports* Volume 70, Issue 2, April 2018: 233-242

19. Eman Riad Hamed, Mohammad Nasser, Mohammad Hussein, **Eman A. Toraih**, Manal Fawzy. Serum S100B: A Possible Biomarker for severity of obstructive sleep apnea. *Egyptian Journal of Chest Diseases and Tuberculosis* July 2017.
20. **Eman A Toraih**, Mohammad H Hussein, Essam Al Ageeli, Eman Riad, Nouran B. AbdAllah, Ghada M Helal, Manal Fawzy. Structure and functional impact of seed region variant in miR-499 gene family in bronchial asthma. *Resp Res* 2017, 18:169.
21. **Eman A. Toraih**, Rasha Shehata, Soha Abdelmoneim, Osman A Osman, Ahmed F Hassanain, Amany Osama, Sahar S Abdelmoneim. Deregulation of miR-34a and Its Chaperon Hsp70 in Hepatitis C virus-Induced Liver Cirrhosis and Hepatocellular Carcinoma Patients. *Asian Pacific Journal of Cancer Prevention*, 18 (9), 2395-2401
22. Manal S. Fawzy, **Eman A. Toraih**, Elham O. Hamed, Mohammad H. Hussein, Hussein M. Ismail. MIR-499a expression in myocardial infarction and association of its seed-region variant (rs3746444) with susceptibility to cardiovascular disease in Egyptian patients. *Acta Cardiologica* 2017 Aug 8:1-10.
23. Mohammad Hosny Hussein, Khaled E Sobhy, Irene M Sabry, Ahmad T El Serafi, **Eman A Toraih**. Beta2-adrenergic receptor gene haplotypes and bronchodilator response in Egyptian patients with Chronic Obstructive Pulmonary Disease. *Advances in Medical Sciences* 2017 Mar; 62(1):193-201. Doi: 10.1016/j.advms.2016.07.008.
24. Manal S. Fawzy, **Eman A. Toraih**, Nagwa M Aly, Abeer Fakhr-Eldeen, Dahlia I Badran, Mohammad H. Hussein. Atherosclerotic and thrombotic genetic and environmental determinants in Egyptian coronary artery disease patients: A pilot study. *BMC Cardiovascular Disorders* 2017, 17:26. Doi: 10.1186/s12872-016-0456-3.
25. **Eman Ali Toraih**, Afaf T Ibrahim, Manal Said Fawzy, Mohammad H Hussein, Saeed Awad M Al-Qahtani, Aly A.M. Shaalan. MicroRNA-34a: a key regulator in the hallmarks of renal cell carcinoma. *Oxidative Medicine and Cellular longevity*, vol. 2017, Article ID 3269379, 21 pages, 2017 (Doi: 10.1155/2017/3269379).
26. **Eman A.Toraih**, Manal S. Fawzy, Abdullah I. El-falouji, Elham O. Hamed, Nader Attia Negm, Mohammad H Hussein, Noha M. Abd El Fadeal. Stemness-related transcriptional factors and homing gene expression profiles in hepatic differentiation and cancer. *Molecular Medicine* 2016 September 2; 22: 653-663.
27. Manal S. Fawzy, **Eman A Toraih**, Hoda Y Abdallah. Long noncoding RNA metastasis-associated lung adenocarcinoma transcript 1 (MALAT1): A molecular predictor of poor survival in glioblastoma multiforme in Egyptian patients. *Egyptian Journal of Medical Human Genetics* Volume 18, Issue 3, July 2017, Pages 231-239.
28. Abeer M Hagra, **Eman A Toraih**, Manal S. Fawzy. NAD⁺-dependent Isocitrate Dehydrogenase enzyme as a mitochondrial marker in Asthenozoospermia. *Biochimie Open* Volume 3, December 2016, Pages 19–25.
29. **Eman A. Toraih**, Manal S. Fawzy, Mona G. Elgazzaz, Mohammad H. Hussein, Rasha H. Shehata, Hisham G. Daoud. Combined genotype analyses of precursor miRNA-196a2 and -499a variants with hepatic and renal cancer susceptibility: a preliminary study. *Asian Pacific Journal of Cancer Prevention* 2016; 17(7):3369-75.
30. **Eman A Toraih**, Manal Said Fawzy, Eman A Mohammed, Mohammad H Hussein, Mohamad M EL-Labban. MicroRNA-196a2 biomarker and targetome network analysis in solid tumors. *Molecular Diagnosis and Therapy* December 2016, Volume 20, Issue 6, pp 559–577. Doi: 10.1007/s40291-016-0223-2.
31. Mohammad H. Hussein, **Eman A. Toraih**, Nagwa Mahmoud Ali, Manal S. Fawzy. A passenger strand variant in miR-196a2 contributes to asthma severity in children and adolescents: a preliminary study. *Biochem Cell Biol.* 2016 Aug; 94(4):347-57.
32. **Eman A. Toraih**, Nesreen M. Ismail, Ahmed A. Toraih, Mohammad H. Hussein, Manal S. Fawzy. Precursor miR-499a Variant but not miR-196a2 is Associated with Rheumatoid Arthritis Susceptibility in an Egyptian Population. *Molecular Diagnosis and Therapy*, 20(3), 279-295.
33. Manal Said Fawzy, Mohammad H Hussein, Eman Z Abdelaziz, Hussain A Yamany, Hussein M Ismail, **Eman A Toraih**. Association of MicroRNA-196a2 Variant with Response to Short-Acting β_2 -Agonist in COPD: an Egyptian Pilot Study. *PLoS ONE* 2016, 11(4): e0152834. Doi: 10.1371/journal.pone.0152834.
34. Manal S. Fawzy, **Eman A. Toraih**. The structural and functional characterization of Thrombin activatable fibrinolysis inhibitor in breast cancer. *Data in Brief* Volume 5, December 2015, Pages 981–989.
35. Hoda I. Bahr, **Eman A. Toraih**, Eman A. Mohammed, Hala M.F. Mohammad, Eman A.I. Ali, Sawsan A. Zaitone. Chemopreventive effect of leflunomide against Ehrlich's solid tumor grown in mice involves suppression of EGF-EGFR expression and tumor proliferation. *Life Sci.* 2015 Nov 15; 141: 193-201. doi: 10.1016/j.lfs.2015.10.003.
36. Manal S. Fawzy, Osama Alhadramy, Mohammad H Hussein, Hussein M. Ismail, Nesreen M. Ismail, Nouran M. Biomy, **Eman A. Toraih**. Structural and functional impact of ATP-Binding Cassette Transporter A1 R219K and I883M Polymorphisms in obese Children and Adolescents. *Molecular Diagnosis and Therapy*. August 2015; 19(4):221–234. Doi: 10.1007/s40291-015-0150-7.
37. **Eman A. Toraih**, Eman A. Mohammed, Sherif Farrag, Neven Wissa, Somaya Hosny. Pilot Study of Serum MicroRNA-21 as a Diagnostic and Prognostic Biomarker in Egyptian Breast Cancer Patients. *Molecular Diagnosis & Therapy*, 2015, 19 (3):179-190.

38. **Eman Toraih**, Mohammad H. Hussein, and Dahlia I. Badran. Beta2-Adrenergic Receptor Gene Polymorphisms in Egyptian Patients with Acute Myocardial Infarction. *Advances in Molecular Biology*, vol. 2014, Article ID 471635, 11 pages, 2014. Doi:10.1155/2014/471635.
39. Maivel H. Ghattas, **Eman A. Toraih**, Foad M. Badr, Mohamed A. Hefny. Interleukin-1 Receptor Antagonist Gene Polymorphism in Patients with Knee Osteoarthritis. *The Egyptian Journal of Biochemistry and Molecular Biology*. 01/2007; 25(1):151-166.

Books and Chapter

1. Diagnostic, prognostic, and therapeutic role of microRNAs in Head and Neck Cancer: Chapter 6 [Association of genetic variations in microRNAs with susceptibility to head and neck cancer](#). Elsevier. July 24, 2024
2. Clinical Applications of Noncoding RNAs in Cancer. Chapter 7: Non-coding RNAs in Renal Cancer Patients Elsevier (ISBN: 9780128245507).
3. Serum microRNA-21 level in breast cancer patients, Lambert Academic Publishing. Project-ID (128418) and the book's ISBN (978-3-659-79150-5).
4. Beta2-adrenergic receptor haplotypes in COPD, Lambert Academic Publishing (ISBN 978-3-659-80847-0).
5. Interleukin-1 Receptor Antagonist: Genetic Association with Knee Osteoarthritis, Lambert Academic Publishing. (ISBN: 978-3-659-40688-1).

Articles under Review

1. Rahib K. Islam, **Eman A Toraih**, Collins T. Langley, Christopher J. Haas. Skin cancer risk associated with hydrochlorothiazide use: a real-world dose-dependent cohort study. *Journal of the American Academy of Dermatology*. Submitted Apr 17.
2. **Eman A Toraih**, Jason Zeleny, Carol Sames, Andrew Craig, Catherine Hagearty-Mattern, Sierra Coyle, Amanda Lois, Hani Aiash. Physical Activity Interventions for Sleep Disorders in Children and Adolescents with Autism Spectrum Disorder: A Large-Scale Retrospective Cohort Study. *The Journal of Pediatrics*. Submission Apr 17.
3. Gabriel Montclare, Jessan Jishu, Dara Bruce, Abdallah Attia, Ahmed Abdelmaksoud, Danielle Tatum, Manal Fawzy, **Eman A. Toraih**. Comparative Effectiveness and Safety of Robotic versus Open Thyroidectomy: A Propensity-Matched Analysis of Real-World Data. *Journal of Robotic Surgery*. Submission Apr 16.
4. Noheir Ashraf Ibrahim Fathy Hassan, **Eman A. Toraih**, Menna A. Shebl, Amaan Usmani, Amr Ossama Gaber Arafa, Mohamed Mohamed Elnouty, Ayesha Laraib-Ijaz, Uday Atwal, Deepak Gir, Helen A.O. Samuel, Mazen Hassanin, Nayiira Salim, Jaffer Shah, Hani Aiash. Risk of thyroid dysfunction after COVID-19 vaccination: Meta-analysis of 11 million individuals. *Annals of Epidemiology*. Submission Apr 12, 2025.
5. Rami Elshazli, Nahla Zidan; Fahad Almutairi; Mohamed Sakran; Adel Alalawy; Amani Shaman; Awatif Omran; Marzough Albalawi; Renad Albalwi; Thoraya A-Elgadir; Fayza EL-Ezaly; M. Abd El-Ghany; Ali Keshk; **Eman A. Toraih**. Deciphering the Genetic Architecture of Breast Carcinoma Risk: Insights from MMP9 (rs17576 and rs3787268) polymorphisms. *Archives of Medical Research*. Submission Apr 11.
6. Rishith Vaddavalli, Nada Madkour, Jessan Jishu, Mohammad Hussein, Ahmed A. Abdelghany, Ahmed Abdelmaksoud, Manal S Fawzy, **Eman A Toraih**. Outcomes of Minimally Invasive Glaucoma Surgery in Patients with Diabetic Retinopathy: A Retrospective Cohort Study. *Canadian Journal of Ophthalmology*. Apr 10.
7. Noheir Ashraf Ibrahim Fathy Hassan, **Eman A Toraih**, Menna A. Shebl, Amaan Usmani, Uday Atwal, Ayesha Laraib-Ijaz, Helen A.O. Popoola-Samuel, Ahmed Ibrahim Eldessouky, Anwar Alhouli, Yusuf Elsawah, Sonnet Sunny, Muaaz Aslam, Jaafer Shah, Hani Aiash. Quantifying the Suicide Crisis Among Youth: A Million-Person Meta-Analysis. *Social Psychiatry and Psychiatric Epidemiology*. Apr 10.
8. **Eman A Toraih**, Mohammad H Hussein, Tessa Lavorgna, Isabel Riccio, Alexandra LaForteza, Manal S Fawzy. Social Exposome and Thyroid Cancer Outcomes: A Population-Based Study. *Cancer Epidemiology*. April 7.
9. Yasser Sedky, Selmen Wannas, Sara Ali Saleh, Shimaa Abdalaleem Abd Algaleel, Yomna Ali Farag, **Eman Toraih**, Hani Mohamed Aiash, Gehad Mohamed. Gamal.Clinical characteristics and outcomes of Kawasaki Disease and Multisystem Inflammatory Syndrome in Arab children during the COVID-19 pandemic: A single-center experience from the Middle East. *World Journal of Pediatrics*. Apr 6.
10. Noheir Ashraf Ibrahim Fathy Hassan, **Eman A. Toraih**, Mohab Orz, Rafeek W. Elmezayen, Kholoud Ismail, Mohamed Mahmoud Abady Ebeid Wahballah, Belal Mohammed Khedr Moussa Elsharnoubi, Karim Wael Mohamed Elshafey, Reyan Usmani, Rawan Omar, Angelica Ines Lopez Jesus, Deepak Gir, Riya Arora, Youssef Elkareh, Sahir Ijaz, Hani Aiash. Electrocardiographic Abnormalities in Epilepsy: Analysis of Cardiac Conduction Patterns and SUDEP Risk. *Neurological Sciences*. April 4.
11. Shriya Chunduri, Ghassan Bidaoui, Mohammad H Hussein, Milee Patel, Ahmed Abdelmaksoud, Mohamed Mohamed, Abdallah Attia, Danielle Tatum, Jamil Borgi, **Eman Toraih**. Superior Cardiovascular Outcomes with

12. Win Khang Vu, Martha Watson, Abdallah Attia, Ahmed Abdelmaksoud, Manal S. Fawzy, **Eman A Toraih**. Comparative Outcomes of Surgical vs. Non-Surgical Interventions in Advanced Oropharyngeal Cancer. Laryngoscope Investigative Otolaryngology. Submitted Mar 31.
13. Alexandra LaForteza, Peter P. Issa, Mohammad Hussein, Jacob Stuntz, Chad P. Issa, Isabel Riccio, Mohamed Shama, **Eman Toraih**, Emad Kandil. Treatment Outcomes Following Radiofrequency Ablation of Toxic Hyper Functioning Thyroid Nodules: A Case Series and Systematic Meta-Analysis. Journal of Surgical Research. Submission Mar 23.
14. Manal S. Fawzy, Awwad Alenezy, Jessan A. Jishu, Issa Khan, Ahmad Dessouky, Ahmed Abdelmaksoud, Kristin Limbach, **Eman A. Toraih**. Survival Benefits of GLP-1 Receptor Agonists in Patients with Neuroendocrine Tumors: A Large-Scale Propensity Matched Cohort Study. Cancers. Mar 20. Revision April 4.
15. Yaser Y. Bashumeel, Ahmed Abdelmaksoud, Mahmoud A. AbdAlnaeem, Mohammad Hussein, Mohamed Shama, Salem I Nouredine, **Eman Toraih**, Emad Kandil. Varying Postoperative Outcomes of Concomitant Cervical Thymectomy During Parathyroidectomy in Multiple Endocrine Neoplasia Subtypes. European Journal of Surgical Oncology. Submission Dec 14.
16. Essam Al Ageeli, Aly Shaalan, Manal Fawzy, Shahad W. Kattan, Amany I. Almars, Sameerah Shaheen, Baraah T. Abu AlSel, Johar Iqbal, **Eman Toraih**. Upregulation of long noncoding RNA regulator of reprogramming (ROR) in poorly differentiated thyroid carcinoma. Cancer Control. Submission Mar 29. Revision.
17. Ahmed Abdelmaksoud, Ann Igoe, **Eman A. Toraih**, Bryan A Roller, Kristin L Kaelber, David C Kaelber. Increased Risk of Gout among Patients with Trisomy 21: Insights from a Population-Based National Analysis. Annals of the Rheumatic Diseases. May 17. Revision.
18. **Eman A Toraih**, Awwad Alenezy, Mohammad H Hussein, Shahmeer Hashmat, Saitej Mummadi, Nawaf Farhan Alrawili, Ahmed Abdelmaksoud, Manal S Fawzy. Risk of Vestibular Disorders with Semaglutide and Tirzepatide: Findings from a Large Real-world Cohort. Submitted Biomedicine. Mar 16. Revision Apr 1.
19. Omar Khalid Samir Abdelkader, Noheir Ashraf Ibrahim Fathy Hassan, Amro Mahmoud Radi, Mennatallah Kamal, Karrar Hazim Abdul-Karim Al-Qizwini, Abdelrahman Ezzat, Helen A.O. Popoola-Samuel, Karim Aiash, Ayaan Arora, Amir Elissawy, **Eman A. Toraih**, Hani Aiash. Association Between Body Mass Index and Risk of Bacterial Vaginosis: A Systematic Review and Meta-Analysis. The Journal of Obstetrics and Gynaecology Research. Mar 21.
20. **Eman A. Toraih**, Ahson Afzal, Ahmed Soliman, Nazia Sultana, Mohamed Ahmed Doma, Fatima Afzal, Muaaz Aslam, Jaffer Shah, Yomna Essam Dean, Hani Aiash. Impact of Airway Pressure Release Ventilation Settings on ARDS Outcomes: A Systematic Review and Meta-Analysis of Animal Models. BMC Pulmonary Medicine. Mar 18.
21. Kyra Herzberger, Martha Watson, Mohammad Hosny Hussein, Ahmed Eldessouky, Siva Paladugu, Ahmed Abdelmaksoud, **Eman A Toraih**. Association of surgical kidney stone management with reduced cancer risk and improved survival: a global multi-center analysis of 500,000 patients. Urologic Oncology Jan 5.
22. Ahson Afzal; Mohamed Abd-ElGawad; Omar Khalid Samir Abdelkader; Mohamed Doma; Yomna Essam Dean; Moataz Abdoeldahb; Helen A.O. Popoola-Samuel; Anas Hamdy; Rafeek Walid Elmezayen; Amir Elalem; Nadir Zulfikar Aziz; Anandita Thakur; Armaan Jain; Hassan Al Dhneem; Prashant Obed Reddy Dundi; Hamza Mohamed Hamed Elkasaby; Raneem Atta; Ileana Anghel; Webster Donaldy; **Eman Toraih**; Hani Aiash. Menstrual Irregularities and Cardiovascular Risk: A Systematic Review and Meta-Analysis. European Journal of Obstetrics & Gynecology and Reproductive Biology. Dec 5.
23. Mohamed A. Shebl, **Eman Toraih**, Shaimaa A. Shehata, Jose J. Loayza, Rafeek W. Elmezayen, Mohamed Doma, Yomna E. Dean, Kero Abdelsayed, Zeinab M. Khalil, Mohamed Elsayed, Harpeet Aujla, Judith Joseph, Merhan Badran, Helen A. O. Popoola-Samuel, Mohamed Yosri, Abdullah Ibrahim, Muhammad Ibrahim, Alonzo Mable, Prashant Obed, Aqueel Fuhaid, Hani Aiash. Factors Influencing the Access to Medication for Opioid Use Disorder in the United States: A Systematic Review and Meta-Analysis. Journal of Psychoactive Drugs. Dec 22.
24. Ekramy M. Elmorsy, Huda A. Al Doghaither, Ayat B. Al-Ghafari, Manal S. Fawzy, **Eman A. Toraih**, Noha M. Abd El-Fadeal. Hyperoside flavonoids protect against malathion-induced mitochondrial toxicity in the differentiated dopaminergic neuroblastoma cells. Naunyn-Schmiedeberg's Archives of Pharmacology. Dec 25.
25. Mohamed A. Shebl, Shaimaa A. Shehata, Jose J. Loayza, Rafeek W. Elmezayen, Mohamed Doma, Yomna E. Dean, Kero Abdelsayed, Zeinab M. Khalil, Mohamed Elsayed, Harpeet Aujla, Judith Joseph, Merhan Badran, Helen A. O. Popoola-Samuel, Mohamed Yosri, Abdullah Ibrahim, Muhammad Ibrahim, Alonzo Mable, Prashant Obed, Aqueel Fuhaid, **Eman Toraih**, Hani Aiash. Perioperative Outcomes in patients with Cannabis Use Disorder: A Meta-Analysis of Propensity-Score Matched Studies. Surgery Jan 23.
26. Madeleine Landau, Natalie Mikhailov, Amreena Singh, Manal Said Fawzy, **Eman Toraih**. Familial Risk Factors in Thyroid Cancer Across Generations and Geographics: A Systematic Review and Meta-Analysis. Cancer Epidemiology. Jan 12.

27. Rahib K. Islam, Hassan Malik, Humza Pirzadah, Mark Lebwohl, Ahmad Abdelmaksoud, Christopher Haas, Dhaifallah A. Alenizi, Babar Rao, Hani Aiash, Manal Fawzy, **Eman Toraih**. Obesity is Associated with Increased Risk of Adverse Events in Biologic Treated Psoriasis Patients: A Retrospective Cohort Study. *Journal of the American Academy of Dermatology*.
28. Alexandra LaForteza, Isabel Riccio, Peter P. Issa, Joshua Linhuber, Mahmoud Omar, **Eman Toraih**, Emad Kandil. Parathyroidectomy Outcomes in Normohormonal Primary Hyperparathyroidism and the Miami Criterion. *Journal of Surgical Research*. Submitted Mar 7.
29. Ekramy M. Elmorsy, Ayat B. Al-Ghafari, Huda A. Al Doghaither, Manal S. Fawzy, **Eman A. Toraih**, Shaimaa A. Shehata. Vitamin D counteracted rotenone, and MPTP induced cytotoxicity on undifferentiated human neuroblastoma cells. *Neurotoxicology and Teratology*. Aug 9, 2024.
30. **Eman A Toraih**, Sarah Yaghi, Claire Ardis, Lori Tran, Ahmad Abdelmaksoud, Rami Elshazli, Mohammad H Hussein, Hinali Patel, Ekramy M. Elmorsy, Hani Aiash, Manal S Fawzy. The Role of Selenium Supplementation in Hashimoto's Thyroiditis: A Large-Scale Retrospective Cohort Study. *European Journal of Nutrition*. Jul 29, 2024.
31. **Eman A. Toraih**, Mariam Elnaggar, Tessa Lavorgna, Majed G. Alrowaili, Ali Hussein, Zenat Ahmed Khired, Forat Koreish, Mohammad H. Hussein, Manal S. Fawzy, Ahmed A. Toreih. The racial and sexual disparity in emergency department visits for sport-related spine fracture injuries: A NEISS database study (2011-2020). *Injury* Jun 31.
32. **Eman Toraih**, Peter P. Issa, Mohammad Hussein, Mahmoud Omar, Mohamed Shama, Emad Kandil. Delayed Intraoperative PTH Kinetics in Elderly Patients with Primary Hyperparathyroidism. *Surgery*. Mar 20. Revision.
33. Mohammad Hussein, Peter P. Issa, Tessa R. Lavorgna, Chad P. Issa, Charlotte Pecot, Manal Fawzy, **Eman Toraih**. Adrenal Carcinoma Laterality is of Limited Clinical Significance: A National Perspective. *Cancer investigation*.
34. Rami Elshazli, Hamed M. Kassab; Afrah F. Salama; **Eman A. Toraih**; Kamal M. Okasha. The AGO1*rs595961 Variant: A Key Genetic Culprit in Bladder Carcinoma Risk, While AGO2*rs4961280 Remains Innocent. *Gene Reports*. Submitted Sep 19.
35. Kristen D Nordham, Sharven Taghavi, John T Simpson, Ayman Ali, Leah C. Tatebe, Elliot R. Haut, Christofer Anderson, Nadia Salib, Zoe Maher, Amy J Goldberg, Shariq Raza, Grace Chang, **Eman Toraih**, Michelle Mendiola Pla, Danielle Tatum. EAST Multicenter Trial: No Benefit of Prehospital Tourniquets for Extremity Trauma in Urban Settings. *Journal of Surgical Research*.
36. **Eman Toraih**, Mohamed El-Wazir, Rami M Elshazli, Mohammad Hussein, Manal Fawzy, Safinaz Elroukh. Rapid Publication during Crises: Analyzing Retractions During the COVID-19 Pandemic. *Ethics, Medicine and Public Health*. Nov 15.

Ongoing projects

1. Abdelrahman Hafez, Ahmed Sobhy, Mennatullah Ashour, **Eman Toraih**, Hani Aiash. AI-Driven Coronary CT Angiography for Coronary Stenosis Detection: A Meta-Analysis of Diagnostic Test Accuracy Studies.
2. Dara Bruce, Isabelle Keren, Jessan Jishu, Manal S Fawzy, **Eman A Toraih**, Ahmed Toreih. Preoperative GLP-1 Receptor Agonist Use Is Associated with Improved Patient-Centered Outcomes Following Total Joint Arthroplasty: A Multi-Institutional Matched Cohort Study
3. Jessan A. Jishu, Cameron Galic, Reyna Halalsheh, Abdulrahman N. Ghaleb, Rizwan Aslam, Manal S. Fawzy, **Eman A. Toraih**. Risks of Upper Airway Inflammation in Autoimmune Diseases: A Retrospective Cohort Analysis from The TriNetX Network.
4. Ghassan Bidaoui, Joe Abi-Rached, Ala' Assaf, Mayana Bsoul, Christian Massad, Montaser Atasi, Chanh Lim, **Eman Toraih**, Ahmed Abdelmaksoud, Besim Ademi, Alexander Knight, Hadi Younes, Nour Chouman, Han Feng, Yingshuo Liu, Abboud Hassan, Yishi Jia, Eli Tsakiris, Danielle Jaffe, Charbel Noujaim, Mario Mekhael, Omar Kreidieh, Swati Rao, Amitabh Pandey, Nassir Marrouche. Catheter Ablation Decreases Major Cardiovascular Events and All-Cause Mortality in Patients with Atrial Fibrillation and Obstructive Sleep Apnea.
5. Mayana Bsoul, **Eman Toraih**, Nassir Marouche. Impact of Metformin and GLP-1RA on Outcomes in AF Patients with Diabetes.
6. Ghassan Bidaoui, **Eman Toraih**, Nassir Marrouch. Obstructive Sleep Apnea Increases the Risk of Major Adverse Cardiovascular Events and Stroke in Patients with Atrial Fibrillation
7. Ghassan Bidaoui, **Eman Toraih**, Nassir Marrouch. Temporal Sequence of Obstructive Sleep Apnea and Atrial Fibrillation Development Impacts the Prognosis and the Incidence of Major Cardiovascular Events.
8. Christian Massad, **Eman Toraih**, Nassir Marouche. Long Term Effect of Chronology of HFpEF & AF Diagnoses on Hard Outcomes: A Multicenter Cohort Study
9. Christian Massad, **Eman Toraih**, Nassir Marouche. Long Term Incidence of HFpEF in Patients with AF and Vice-Versa; A Competing Risk Analysis on a Large Multicenter Cohort.

10. Montasar Atasi, **Eman Toraih**, Nassir Marouche. Atrial fibrillation Secondary to Mitral Valve Disease is associated with Increased MACE Events in patients with Both MVD and AF.
11. Dara Bruce, Abdallah Attia, Ahmed Abdelmaksoud, Danielle Tatum, **Eman Toraih**. Beyond Traditional Risk Factors in Necrotizing Fasciitis Mortality - Analysis of 40,254 Cases Challenges Common Assumptions.
12. John Paisley, **Eman Toraih**. Elevated Cardiovascular and Hematological Risks in Jehovah's Witnesses with Menstrual Irregularities: A Large-Scale Propensity-Matched Cohort Study.
13. **Eman Toraih**, Aeklavya Panjali, Aaron Glass, Abdelrahman Gad, Hani Aiash. Metronidazole: A Double-Edged Sword in Sinus Grafting and Guided Bone Regeneration.
14. **Eman A Toraih**, Mohammad H Hussein, Magdy Ramy, Abed Rabee, Eva Kruger, Joey Abi-Rached, Peter P Issa, Rami Elshazli, Jessan Jishue, Manal S Fawzy. Sex Differences in Clinical Presentation and Outcomes of Subcutaneous Metastasis in Papillary Thyroid Cancer: A Meta-Analysis and Bioinformatic Analysis.
15. Tarick Ahmed, **Eman Toraih**. Atrial Fibrillation in Patients Treated vs Untreated Subclinical Hypothyroidism.
16. Spencer, Gabrielle, Dumont, **Eman Toraih**. The Impact of Socioeconomic Status on Short-term and Long-term Outcomes Following Surgery for Malignant Brain Neoplasms: A Propensity Score-Matched Analysis
17. Carolina Gomez, **Eman Toraih**. Surgical Site Infection After Primary Spinal Fusion Surgery for Adolescent Idiopathic Scoliosis.
18. Jessan Jishu, **Eman Toraih**. Comparative outcomes of total knee arthroplasty after surgical weight loss vs. medication therapy (e.g. GLP1 agonists, SGL2i).
19. Andrew Suh, **Eman Toraih**. Translating Stem Cell Treatment from Canine Spina Bifida Models to Pediatric Patients.
20. Manal Fawzy, **Eman Toraih**. Immune Checkpoint Inhibitor-Induced Adrenal Insufficiency: A Propensity Score-Matched Analysis with Sex-Specific Differences.
21. Ronaldine Jacque, **Eman Toraih**: The Glaucoma Paradox: Socioeconomic Status and the Unexpected Dynamics of Disease Progression
22. Katelyn Nicholson, **Eman Toraih**. Housing instability and musculoskeletal health: a retrospective cohort study revealing gender disparities and elevated risks among unhoused populations.
23. Andrew Gross, **Eman Toraih** Long-term Clinical Outcomes and Survival Analysis of Robotic-Assisted versus Conventional Total Knee Arthroplasty: An 8-Year Propensity-Matched Cohort Study
24. **Eman Toraih**. Retatrutide vs. Single and Dual Agonists: Charting New Territory in Obesity and T2DM Treatment
25. Abdallah Attia, **Eman Toraih**. Comparative Risk of Psychiatric Disorders Following GLP-1 Receptor Agonist Therapy vs. Bariatric Surgery: A Propensity Score-Matched Analysis. Risk of Psychological Disorders in GLP-1R Agonist Users: A Propensity-Matched Analysis of Real-World Data.
26. Carson Mills, **Eman Toraih**, Abdallah Attia, Ahmed Abdelmaksoud, Anil Paramesh, Danielle Tatum, Shauna Levy. Weighing the Options: Bariatric Surgery vs. GLP-1 Agonists in the Race for Kidney Transplants.
27. Andrew Suh, Kenneth Chiep, Solomon Baah, **Eman Toraih**, Carter Clement. Optimizing Perioperative Care in Neuromuscular Scoliosis: Strategies for Infection Mitigation, Recovery Acceleration, and Surgical Safety.
28. Alenizi, Bandar T. Alenezi, Ahmed Abdelmaksoud, Manal Fawzy, **Eman Toraih**. Hidden Impacts: A Population-Based Study of Immune-Related Adverse Events in Cancer Immunotherapy.
29. Steven Johnson, **Eman Toraih**, Hani Aiash. Comparative Risk of T-cell Mediated Autoimmune Disorders Following COVID-19 in Patients with Obesity: GLP-1 Receptor Agonist Users vs. Non-Users.
30. Mohammad Hussein, **Eman Toraih**. Prognostic Role of RAS Mutations in Thyroid Cancer: A Human Genome Epidemiology Study.

Invited Workshops and Educational Programs

2025

- **SUNY Upstate Medical University**, College of Health Professions
3rd Annual Research Conference, June 2, 2025
"AI Workshop" (*upcoming*)
- **The University of Tennessee**, March 26, 2025
"From Data to Discovery: Unlocking Authentic Research Education Through TriNetX"
Cultivating academic success, the synergy between fostering authenticity & transformation in teaching & learning
Impact: Trained 100+ faculty, residents, and postdoctoral researchers (100 minutes)

2024

- **Tulane/LSU Joint TriNetX Workshops**, May-July 2024
Series of 3 workshops for cross-institutional collaboration
Participants: 15 students from Tulane and LSU
Outcomes: 20+ joint research projects
- **Surgery Research Bootcamp Program**, August 2024 - May 2025
Developed comprehensive research education program teaching students:
 - TriNetX for independent research execution
 - BioRender for visualization and presentation skills**Participants:** 15 students
Outcomes: 15 projects, 9 publications, 25 conference abstracts, 3 awards
- **SUNY Upstate Medical University**, College of Health Professions
2nd Annual Research Conference, June 3, 2024
"Refining Healthcare Research: TriNetX Innovative Real-World Evidence Ecosystem"
Attendees: 65+ participants
- **TIRAD Center**, July 19, 2024
TriNetX Workshop
Training Metrics:
 - Group training: 11 research fellows (2 hours)
 - Individual training: 7 researchers (2-6 hours each)**Productivity Outcomes:**
 - 7 projects developed
 - 7 abstracts submitted
 - 5 presentations accepted at Heart Rhythm Society (HRS2025)
- **IMPRESS Program for Underserved Students**, June-July 2024
Introduction to Medical Profession
Biostatistics lecture (1.5 hours)
Students Served: 30 underserved students
- **Surgery Research Summer Program**, 2024
Basic Biostatistics (3 hours)
Participants: 10-12 students
Outcomes: 1-3 projects per student, multiple poster presentations

2021-2023

- **Surgery Research Summer Program**, 2021-2023
Basic Biostatistics and SPSS Application (3-4 hours annually)
Participants: 10-12 students per year
Outcomes: 1-3 projects per student, multiple poster presentations

Invited Speaker (National and International)

Tulane Innovation Institute Faculty Innovation Mixer, October 15, 2024

New Orleans, LA, USA

<https://innovation.tulane.edu/faculty-innovation-mixer-promotes-interdisciplinary-collaboration-tulane-university>

American Thyroid Association Annual Meeting, September 31, 2023

Washington, DC, USA

"MMP9/miR-145 Ratio: Bridging Genomic and Immunological Variabilities in Thyroid Cancer"

Louisiana Chapter American College of Surgeons Annual Meeting, March 20, 2022

New Orleans, LA, USA

"B-Cell Lymphoma 2/MicroRNA-497 Gene Expression Ratio Predicts Metastasis In Colorectal Cancer: A Propensity-Matched Cohort Analysis"

Louisiana Chapter American College of Surgeons Annual Meeting, March 19, 2022

New Orleans, LA, USA

"Pan-Cancer Study on Variants in Canonical miRNA Biogenesis Pathway Components: Awaken The Dormant Beast"

International Cancer Bioinformatics Workshop (ICGEB), March 5-7, 2019

Center of Excellence for Molecular and Cellular Medicine (CEMCM), SCU, Egypt

"Introduction to Cancer Bioinformatics"

"Visualization Tools by R and Web Browsers"

Histology & Cell Biology Department Annual Scientific Meeting, March 29, 2018

Faculty of Medicine, Suez Canal University, Egypt

"Bioinformatics: Can Do More Than Expected"

Recipient: Best Oral Presentation Award

International Conference on Genomic Medicine (GeneMed-2017), February 22-24, 2017

Baltimore, MD, USA

"OncomiR-196a2: The Hidden Maestro in Cancer Pathways"

Recent Advances in Stem Cell Research Conference, October 29-30, 2015

Faculty of Medicine, Suez Canal University, Egypt

"Molecular Biomarkers in Hepatic Differentiation and Cancer"

Oral Presentations

Delivered 100 oral presentations at national and international conferences over the past 6 years: 33 presentations in 2025, 11 in 2024, 7 in 2023, 19 in 2022, 20 in 2021, and 10 in 2020.

2025

1. Attia A, **Toraih E**, Tatum D. The Interplay Of Model Parameter Size And Quantization In Open-source LLMs: Implications For USMLE Performance And Medical Education. Oral presentation. *American College of Surgeons Clinical Congress*. Chicago, IL. October 4-7, 2025.
2. Levy S, Attia A, Tatum D, **Toraih E**. Comparative Risk of Psychiatric Disorders Following GLP-1 Receptor Agonist Therapy vs. Bariatric Surgery. Oral presentation. *American Society for Metabolic and Bariatric Surgery*. Washington, DC. June 17, 2025.
3. **Toraih E**, Levy S, Attia A, Tatum D, Abdelmaksoud A, Aiash H. Differential Effects of GLP-1 Receptor Agonists on Cancer Risk in Obesity: A Nationwide Analysis of 1.1 million Patients Reveals Drug-Specific Protective Profiles. Oral presentation. *9th Edition of Webinar on Gastroenterology & Hepatology*. Virtual Conference. June 16-17, 2025.
4. Levy S, Attia A, Tatum D, **Toraih E**. Understanding Obesity Stigma: The Use of Natural Language Processing and Text Mining. Oral presentation. *American Society for Metabolic and Bariatric Surgery*. Washington, DC. June 2025.
5. Bashumeel YY, **Toraih E**, Hussein M, Kandil E. Radiofrequency Ablation Reshapes Both Size and Cytology in Bethesda III/IV Thyroid Cases. Oral presentation. *45th Annual Meeting of the American Association of Endocrine Surgeons*. Milwaukee, WI. May 19, 2025.
6. Bashumeel YY, **Toraih E**, Hussein M, ElShazli R, Abdelmaksoud A, Noureldine SI, Kandil E. Concomitant Thyroidectomy with Parathyroidectomy in Multiple Endocrine Neoplasia type 1: Differential Impact on Post-operative Outcomes. Oral presentation. *45th Annual Meeting of the American Association of Endocrine Surgeons*. Milwaukee, WI. May 19, 2025.
7. Massad C, **Toraih E**, Marrouche N. Long Term Incidence of HFpEF in Patients with AF and Vice-Versa: A Competing Risk Analysis on a Large Multicenter Cohort. Oral presentation. *Heart Rhythm Society (HRS2025)*. San Diego, CA. April 24-26, 2025.
8. Bidaoui G, **Toraih E**, Marrouche N. Temporal Sequence of Obstructive Sleep Apnea and Atrial Fibrillation Development Impacts the Prognosis and the Incidence of Major Cardiovascular Events. Oral presentation. *Heart Rhythm Society (HRS2025)*. San Diego, CA. April 24-26, 2025.
9. Montague-Alamin S, Dituri G, **Toraih E**. The Impact of Socioeconomic Status on Recurrence and Mortality in Patients Undergoing Surgical Treatment for Malignant Neoplasms of the Brain. Oral presentation. *American Association of Neurological Surgeons Conference*. Boston, MA. April 25-28, 2025.
10. Siddiqui S, Siddiqui S, Shirini K, Elfezzani N, Abdelmaksoud A, Elshazli R, Hussein M, Elmorsy EM, Fawzy M, **Toraih E**. Thyroid Disorders as a Risk Factor for Neurodegenerative Proteinopathies: A Large-Scale Propensity Score-Matched Analysis. Oral presentation. *American Academy of Neurology*. San Diego, CA. April 5-6, 2025.
11. Siddeeqe N, **Toraih E**. Evaluating the Therapeutic Potential of GLP-1 Agonists in Neurodegenerative Disorders. Oral presentation. *American Academy of Neurology*. San Diego, CA. April 5-6, 2025.
12. Keenan A, **Toraih E**. Cardiovascular Consequences of Cycle Disruption: A Meta-Analysis of Menstrual Irregularities and CVD Risk. Oral presentation. *LSUHSC X Tulane American Physician Scientist Association Research Day 2025*. April 23, 2025.
13. Siddiqui S, **Toraih E**, Fawzy M. Thyroid Disorders as a Risk Factor for Neurodegenerative Proteinopathies: A Large-Scale Propensity Score-Matched Analysis. Oral presentation. *LSUHSC X Tulane American Physician Scientist Association Research Day 2025*. April 23, 2025.
14. Paladugu S, ElShazli R, Hussein M, Abdelmaksoud A, Kandil E, **Toraih E**. Therapeutic Outcomes and Safety of Radiofrequency Ablation for Primary Papillary Thyroid Carcinoma: A Game Changing Meta-analysis. Oral

presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 27-29, 2025. **Won First Place Best Presentation Award (\$2,500).**

15. **Toraih E.** From Data to Discovery: Unlocking Authentic Research Education Through TriNetX. Invited Speaker. *The University of Tennessee*. March 26, 2025.
16. Nicholson K, **Toraih E.** Housing Instability and Musculoskeletal Health: A Retrospective Cohort Study Revealing Gender Disparities and Elevated Risks Among Unhoused Populations. Oral presentation. *The University of Tennessee*. March 26, 2025.
17. Staav J, **Toraih E.** Timing Matters: The Impact of Age at CFTR Modulator Therapy Initiation in Cystic Fibrosis. Oral presentation. *The University of Tennessee*. March 26, 2025.
18. Yaghi S, **Toraih E.** Selenium in Hashimoto's: Unexpected Outcomes and Insights for Endocrine Surgeons. Oral presentation. *The University of Tennessee*. March 26, 2025.
19. Herzberger K, **Toraih E.** Association of Surgical Kidney Stone Management with Reduced Cancer Risk and Improved Survival: A Global Multi-Center Analysis of 500,000 Patients. Oral presentation. *The University of Tennessee*. March 26, 2025.
20. Watson M, **Toraih E,** Aiash H. Hypoglycemia Risk Following Bariatric Surgery. Oral presentation. *The University of Tennessee*. March 26, 2025.
21. Siddeeqe N, **Toraih E.** Neuroprotective Effects of GLP-1 Receptor Agonists in Neurodegenerative Disorders: A Large-Scale Propensity-Matched Cohort Study. Oral presentation. *The University of Tennessee*. March 26, 2025.
22. Jishu J, **Toraih E.** Surgical Outcomes of Cervical Thymectomy During Parathyroidectomy in Multiple Endocrine Neoplasia: A Retrospective Cohort Study. Oral presentation. *The University of Tennessee*. March 26, 2025.
23. Ahmed T, **Toraih E.** Cardiovascular Outcomes in Graves' Disease Patients Treated with Antithyroid Medication versus Total Thyroidectomy. Oral presentation. *The University of Tennessee*. March 26, 2025.
24. Khan I, **Toraih E.** Survival Benefits of GLP-1 Receptor Agonists in Patients with Neuroendocrine Tumors: A Large-Scale Propensity Matched Cohort Study. Oral presentation. *The University of Tennessee*. March 26, 2025.
25. Montclare G, **Toraih E.** Comparing Outcomes Between Robotic and Open Thyroidectomy: A Large-Scale Retrospective Analysis. Oral presentation. *The University of Tennessee*. March 26, 2025.
26. Suh A, **Toraih E.** Optimizing Perioperative Care in Neuromuscular Scoliosis: Strategies for Infection Mitigation, Recovery Acceleration, and Surgical Safety. Oral presentation. *Louisiana Orthopedic Association 2025 Annual Meeting*. New Orleans, LA. March 21-22, 2025.
27. Gross A, **Toraih E.** 8-Year Comparative Outcomes of Robotic vs. Conventional Total Knee Arthroplasty. Oral presentation. *Louisiana Orthopedic Association 2025 Annual Meeting*. New Orleans, LA. March 21-22, 2025.
28. Montclare G, Bruce D, Attia A, Abdelmaksoud A, Tatum D, Fawzy M, **Toraih E.** Comparative Effectiveness and Safety of Robotic versus Open Thyroidectomy: A Propensity-Matched Analysis of Real-World Data. Oral presentation. *Southern Society for Clinical Investigation (SSCI) Southern Regional Meeting*. New Orleans, LA. February 13-15, 2025.
29. Yaghi S, Ardis C, Tran L, Abdelmaksoud A, ElShazli R, Hussein M, Patel H, Elmorsy EM, Aiash H, Fawzy M, **Toraih E.** Rethinking Selenium in Hashimoto's Thyroiditis: A Large-Scale Retrospective Cohort Study on Autoimmune Sequelae and Patient Outcomes. Oral presentation. *Southern Society for Clinical Investigation (SSCI) Southern Regional Meeting*. New Orleans, LA. February 13-15, 2025. **SSCI Student Research Travel Award (\$150).**
30. Tarick A, **Toraih E,** Fawzy M. Cardiovascular Outcomes in Graves' Disease Patients with CVD Treated with Antithyroid Medication versus Total Thyroidectomy: A Retrospective Cohort Study. Oral presentation. *Southern Society for Clinical Investigation (SSCI) Southern Regional Meeting*. New Orleans, LA. February 13, 2025. **SSCI Student Research Travel Award (\$150).**
31. Siddiqui S, Siddiqui S, **Toraih E,** Fawzy M. Thyroid Disorders as a Risk Factor for Neurodegenerative Proteinopathies. Quickshot presentation. *20th Annual Academic Surgical Congress*. Las Vegas, NV. February 12, 2025.
32. Yaghi S, **Toraih E.** Selenium in Hashimoto's: Unexpected Outcomes and Insights for Endocrine Surgeons. Quickshot presentation. *20th Annual Academic Surgical Congress*. Las Vegas, NV. February 12, 2025.
33. Bruce D, Attia A, Abdelmaksoud A, Tatum D, **Toraih E.** Beyond Traditional Risk Factors in Necrotizing Fasciitis Mortality - Analysis of 40,254 Cases Challenges Common Assumptions. Oral presentation. *Louisiana Chapter American College of Physicians*. New Orleans, LA. February 1, 2025. **First Place Student Oral Presentation.**

2024

1. Attia A, **Toraih E,** Ardis C, Omar M, Abdelmaksoud A, Tatum D, Killackey M, Levy S, Paramesh A. Metabolic and Bariatric Operation and the Path to Kidney Transplantation. Oral presentation. *Southern Surgical Association*. Palm Beach, FL. December 8-11, 2024.

2. Issa PP, **Toraih E**, Hussein M, Laforteza A, Omar M, Kandil E. Parathyroidectomy Outcomes in Normohormonal Primary Hyperparathyroidism and the Miami Criterion. Oral presentation. *American Academy of Otolaryngology–Head and Neck Surgery Foundation (AAO-HNSF)*. Miami, FL. September 28-October 1, 2024.
3. Patel M, Fawzy M, **Toraih E**. Long-term Survival Outcomes of Systemic Therapy in Patients with Isolated and Mixed Medullary Thyroid Cancer. Oral presentation. *Annual Global Surgery Research Day*. Geneva, Switzerland. August 23, 2024.
4. **Toraih E**, Hussein M, Kandil E. Prognostic Role of RAS Mutations in Thyroid Cancer: A Human Genome Epidemiology Study. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. April 6, 2024.
5. Malik A, Malik N, **Toraih E**, Fawzy M, Kandil E. Lost in Translation: Exploring the Exposome Link between Linguistic Isolation and Cancer Risk in the United States. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. April 5-7, 2024.
6. Issa PP, Albuck A, Hussein M, McCarthy C, Emad E, **Toraih E**, Kandil E. Comparison of Medical Management versus Parathyroidectomy in Patients with Mild Primary Hyperparathyroidism. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. April 5-7, 2024.
7. Riccio I, Laforteza A, Hussein M, Linhuber J, Issa PP, Staav J, **Toraih E**, Kandil E. Diagnostic Utility of RAS Mutations in Cytologically Indeterminate Thyroid Nodules. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. April 5-7, 2024.
8. Albuck AL, Issa PP, Hussein M, Aboueisha M, Attia AS, Omar M, Munshi R, Shama M, **Toraih E**, Randolph GW, Kandil E. Diagnostic Accuracy of Thyroglobulin for Detecting Recurrence in Differentiated Thyroid Carcinoma Patients with Positive Neck Ultrasound After Thyroidectomy. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. April 5-7, 2024.
9. Bashumeel YY, **Toraih E**, Hussein M, AbdAlnaeem MA, Abdelmaksoud A, Noureldine SI, Kandil E. Role of Thymectomy during Parathyroidectomy in Multiple Endocrine Neoplasia type 1-associated hyperparathyroidism. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. April 5-7, 2024.
10. Issa PP, **Toraih E**, Hussein M, Omar M, Shama M, Kandil E. Optimizing Parathyroidectomy in the Elderly: Delayed Intraoperative PTH Kinetics. Oral presentation. *American Association of Endocrine Surgeons*. Dallas, TX. April 20-22, 2024.
11. Bashumeel YY, Abdelmaksoud A, AbdAlnaeem MA, Hussein M, Shama M, Noureldine SI, **Toraih E**, Kandil E. Varying Postoperative Outcomes of Concomitant Cervical Thymectomy During Parathyroidectomy in Multiple Endocrine Neoplasia Subtypes. Oral presentation. *Cancer Advocacy Group of Louisiana*. New Orleans, LA. March 2024. **Won Third Place**.

2023

1. Malik M, Islam RK, Pirzadah HA, Abdelmaksoud A, Haas CJ, **Toraih E**, Fawzy M. Lost in Translation: Exploring the Exposome Link between Linguistic Isolation and Cancer Risk in the United States. Oral presentation. *American Muslim Medical Student Association*. New York, NY. November 2023. **Won First Place (Best Oral Presentation)**.
2. **Toraih E**, Hussein M, ElShazli R, Abdelmaksoud A, AbdAlnaeem MA, Bashumeel YY, Bobba T, Bishop J, Paladugu S, Lee GS, Kandil E. Therapeutic Outcomes and Safety of Radiofrequency Ablation for Primary Papillary Thyroid Carcinoma: A Game Changing Meta-analysis. Oral presentation. *American Thyroid Association*. Washington, DC. October 2023.
3. Hussein M, **Toraih E**, Lavorgna T, Issa PP, Kandil E. Chasing π -fection in Thyroidology. Oral presentation. *American Thyroid Association*. Washington, DC. October 2023.
4. **Toraih E**. MMP9/miR-145 Ratio: Bridging Genomic and Immunological Variabilities in Thyroid Cancer. Invited Speaker. *American Thyroid Association*. Washington, DC. September 2023.
5. Hussein M, Issa PP, Hossam E, Omar M, Magazine B, Abdelhady A, Laforteza A, Baah S, Shama M, **Toraih E**, Kandil E. Completion Thyroidectomy: Robotic-Assisted is a Safe and Effective Approach. Oral presentation. *American Head and Neck Society Annual Meeting*. Montréal, QC, Canada. July 2023.
6. Hussein M, Issa PP, **Toraih E**, Kandil E. Impact of Laterality on Adrenocortical Carcinoma Prognostics. Oral presentation. *American Society of Clinical Oncology Annual Meeting*. Chicago, IL. June 2023.
7. **Toraih E**, Hussein M, ElShazli R, Omar M, Shama M, Kandil E. Comparison of Thyroid Surgery Following Radiofrequency Ablation and Upfront Thyroidectomy: A Propensity Score-matched Analysis of Surgical Outcomes. Oral presentation. *American Association of Endocrine Surgeons Annual Meeting*. Birmingham, AL. April 2023.

2022

1. Riccio I, Laforteza A, Hussein M, Linhuber J, Issa PP, Staav J, **Toraih E**, Kandil E. Social Exposome and the Tip of Iceberg in Diagnosing Thyroid Cancer in Disproportionately Affected Communities: A US Population-Based Multi-Ethnic Study. Oral presentation. *The American Surgical Association 142nd Annual Meeting*. April 2022.

2. **Toraih E**, Alruwetei AM, El-Wazir A, Hosny MM, Badran DI, Hussein MH, Fawzy MS. Prognostic Value of MicroRNA-27a and PPAR/RXR α Signaling Axis in Patients with Thyroid Carcinoma. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
3. Simpson J, Taghavi S, Tatum D, Nordham KD, Broome JM, Keating J, Maher Z, Goldberg AJ, Tatebe L, Chang G, Raza S, **Toraih E**, Mendiola Plá M. A Propensity-Matched Analysis of Tranexamic Acid and Development of Pulmonary Complications in Trauma Patients: A Secondary Analysis of an EAST Multicenter Trial of Prehospital Procedures in Penetrating Trauma. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
4. Trinh LN, Crawford AR, Hussein MH, Zerfaoui M, **Toraih E**, Randolph GW, Kandil E. Predicting the Risk of a Second Primary Thyroid Cancer After Surviving a Malignancy: A Latency Trend Analysis Over Four Decades. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
5. **Toraih E**, Hussein M, Tatum D, Reisner A, Kandil E, Killackey M, Duchesne JC, Taghavi S. The Burden of Readmission After Discharge from Necrotizing Soft Tissue Infection. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
6. **Toraih E**, Elnaggar M, Lavorgna T, Alrowaili MG, Hussein A, Khired ZA, Koreish F, Hussein MH, Fawzy MS, Toreih AA. The Racial and Sexual Disparity in Emergency Department Visits for Spine Fracture Injuries: A NEISS Database Study. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
7. Attia AS, Hussein MH, Elnahla A, Youssef MR, Zora G, Omar M, Farhoud A, Reisner ASC, Cox KS, **Toraih E**, Randolph GW, Kandil E. Head and Neck Cancer Patients with Cardiovascular Comorbidity Significantly Impacts Perioperative Complications. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
8. Hussein MH, **Toraih E**, Reisner ASC, Miller P, Corsetti R, Kandil E. Thyroid and Parathyroid Surgery Outcomes in Diabetic Patients: A Nationwide Study. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
9. Hussein MH, **Toraih E**, Toreih A, Alrowaili MR, Fawzy MS, Tatum D, Kandil E, Duchesne JC, Taghavi S. Trampoline Injuries in Children and Adolescents: A Jumping Threat. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
10. **Toraih E**, El-Wazir A, Ageeli EA, Hussein MH, Eltoukhy MM, Killackey M, Kandil E, Fawzy MS. Unleash Multifunctional Role of Long Non-Coding RNAs Biomarker Panel in Breast Cancer: A Predictor Classification Model. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
11. **Toraih E**, Elshazli RM, Hussein MH, Elgaml A, Amin MN, El-Mowafy M, El-Mesery M, Ellythy A, Duchesne J, Killackey MT, Ferdinand KC, Kandil E, Fawzy MS. Association of Cardiac Biomarkers and Comorbidities with Increased Mortality, Severity, and Cardiac Injury in COVID-19 Patients: A Meta-Regression and Decision Tree Analysis. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
12. **Toraih E**, Hussein MH, Elshazli RM, Kline A, Munshi R, Sultana N, Taghavi S, Killackey M, Duchesne J, Fawzy MS, Kandil E. Multisystem Inflammatory Syndrome in Pediatric COVID-19 Patients: A Meta-Analysis. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
13. Hussein MH, Fouad A, Mueller L, Blum A, Al-Qurayshi Z, Borchardt J, **Toraih E**, Kandil E. National Perspective on Hospital Readmissions Following Adrenal Surgery. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
14. **Toraih E**, AbdAlnaeem MA, Bobba T, ElShazli R, Abdelmaksoud A, Bashumeel YY, Hussein M, Noureldine SI, Kandil E. Role of Thymectomy during Parathyroidectomy in Multiple Endocrine Neoplasia type 1-associated hyperparathyroidism: Meta-analysis. Oral presentation. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
15. **Toraih E**, AbdAlnaeem MA, Bobba T, Elshazli RM, Abdelmaksoud A, Bashumeel YY, Hussein M, Noureldine SI, Kandil E. B-Cell Lymphoma 2/MicroRNA-497 Gene Expression Ratio Predicts Metastasis In Colorectal Cancer: A Propensity-Matched Cohort Analysis. Invited Speaker. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
16. **Toraih E**. Pan-Cancer Study on Variants in Canonical miRNA Biogenesis Pathway Components: Awaken The Dormant Beast. Invited Speaker. *Louisiana Chapter American College of Surgeons Annual Meeting*. New Orleans, LA. March 2022.
17. Chun M, Zhang Y, Becnel C, Brown T, Hussein M, **Toraih E**, Taghavi S, Guidry C, Schroll R, McGrew P, Duchesne J. The Effectiveness of Trauma Scores on Predicting Mortality: A Retrospective Study at a Level 1 Trauma Center. Oral presentation. *Southeastern Surgical Congress Annual Meeting*. Nashville, TN. February 2022.

18. Taghavi S, Abdullah S, **Toraih E**, Packer J, Drury R, Aras O, Kosowski E, Shaheen F, Duchesne J, Jackson-Weaver O. Dimethyl Malonate Decreases Succinate Accumulation and Preserves Cardiac Function in a Swine Model of Hemorrhagic Shock. Oral presentation. *35th EAST Annual Scientific Assembly*. Austin, TX. January 2022.
19. Chun M, Zhang Y, Becnel C, Brown T, Hussein M, **Toraih E**, Taghavi S, Guidry C, Duchesne J, McGrew P. A Fast Pass for Motor Vehicle Accident Patients: Expediting Time to Operating Room May Help Reduce Their Mortality. Oral presentation. *35th EAST Annual Scientific Assembly*. Austin, TX. January 2022.

2021

1. Duchesne J, Taghavi S, **Toraih E**, Tatum D. State Gun Law Grades Have Not Impacted Mass Shooting Event Incidence: An 8-Year Analysis. Oral presentation. *Annual Meeting of the Southern Surgical Society*. December 2021.
2. Taghavi S, Maher Z, Goldberg A, Haut E, Tatum D, **Toraih E**. An EAST Multicenter Trial of Prehospital Procedures in Penetrating Trauma: A Propensity Matched Analysis of Police Transport. Oral presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
3. Taghavi S, Haut E, Maher Z, Goldberg A, Chang G, Tatum D, **Toraih E**. An EAST Multicenter Trial of Prehospital Procedures in Penetrating Trauma: Are Tourniquets Justified? Oral presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
4. Ali A, Tatum D, Hebert R, **Toraih E**, Hussein M, McGrew PR, Duchesne J, Taghavi S. Obstetric Trauma: A Propensity-Score Matched Analysis. Oral presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
5. Taghavi S, **Toraih E**, Tafazoli M, Sedhom J, Tatum D, McGrew P, Kolls J, Duchesne J, Hussein M. Examining Risk Factors for Trauma Patients in Acute Respiratory Distress Syndrome. Oral presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
6. Zhang Y, Chun M, Brown T, Tatum D, Guidry C, McGrew P, **Toraih E**, Taghavi S, Schroll R, Hunt J, Schoen J, Duchesne J. When Minorities are the Majority: A Unique Study of Implicit Bias in Trauma Surgery. Oral presentation. *American College of Surgeons Annual Clinical Congress*. October 2021.
7. Taghavi S, Chun T, **Toraih E**, Bellfi L, Malone C, Oremosu J, Ali A, Duchesne J, Tatum D. A Propensity Matched Analysis of Transexamic Acid and the Development of Acute Respiratory Distress Syndrome in Trauma Patients. Oral presentation. *Shock Society Annual Meeting*. October 2021.
8. Attia AS, Hussein MH, Elnahla A, Moroz K, **Toraih E**, Randolph GW, Kandil E. The Burden of Psychiatric Comorbidities in Adrenalectomy Patients. Oral presentation. *Southeastern Surgical Congress Annual Meeting*. Atlanta, GA. August 2021.
9. Hussein MH, Reisner ASC, Al-Qurayshi Z, Shihabi A, **Toraih E**, Kandil E. Preoperative Diabetes Complicates Postsurgical Recovery but Does Not Amplify Readmission Risk Following Pancreatic Surgery. Oral presentation. *Southeastern Surgical Congress Annual Meeting*. Atlanta, GA. August 2021.
10. Hussein MH, Fouad A, Mueller L, Blum A, Al-Qurayshi Z, Borchardt J, **Toraih E**, Kandil E. National Perspective on Hospital Readmissions Following Adrenal Surgery. Oral presentation. *Southeastern Surgical Congress Annual Meeting*. Atlanta, GA. August 2021.
11. Munshi R, Jahan S, Hussein M, **Toraih E**. Thoracic Air Leak Syndrome in COVID-19 Patients: An Emerging Complication. Oral presentation. *Society of Asian Academic Surgeons 6th Annual Meeting*. September 2021.
12. Hadedeya D, Kay J, Attia AS, Omar M, Shalaby M, Youssef MR, Shama M, **Toraih E**, Kandil E. Effect of Postsurgical Chronic Hypoparathyroidism on Morbidity and Mortality: A Meta-Analysis. Oral presentation. *Society of Asian Academic Surgeons 6th Annual Meeting*. September 2021.
13. Elnahla A, Christensen BR, Attia AS, Omar M, Hadedeya D, Shalaby H, Gupta N, **Toraih E**, Kandil E. Diagnostic Accuracy of Ultrasound in Predicting Extrathyroidal Extension and its Relation to the Body Mass Index in North American Population. Oral presentation. *Society of Asian Academic Surgeons 6th Annual Meeting*. September 2021.
14. **Toraih E**, Hussein M, Tatum D, Reisner A, Kandil E, Killackey M, Duchesne JC, Taghavi S. The Burden of Readmission After Discharge from Necrotizing Soft Tissue Infection. Oral presentation. *34th EAST Annual Scientific Assembly*. January 2021.
15. Omar M, Attia AS, Issa PP, Christensen BR, Sugumar K, Alnahla A, Hadedeya D, Shalaby H, Gupta N, **Toraih E**, Kandil E. Diagnostic Accuracy of Ultrasound in Predicting Extrathyroidal Extension and its Relation to Body Mass Index in North America. Oral presentation. *American Association of Endocrine Surgeons*. March 2021.
16. Issa PP, Hussein M, Omar M, **Toraih E**, Kandil E. Delayed Drop of Intraoperative Parathyroid Hormone Over Time in Elderly Population with Primary Hyperparathyroidism. Oral presentation. *American Association of Endocrine Surgeons*. March 2021.
17. Issa PP, Omar M, Issa CP, Buti Y, Hussein M, Munshi R, Haidari M, Blair G, Shama M, **Toraih E**, Kandil E. Thyroid Lobectomy as a Cost-Effective Approach in Low-Risk Papillary Thyroid Cancer versus Active Surveillance. Oral presentation. *American Association of Endocrine Surgeons*. March 2021. Abstract ID: 157.

18. Taghavi S, Abdullah S, **Toraih E**, Simpson J, Tatum D. The Burden of Hospital Readmission for Firearm Injuries Among Suicide Attempts and Other Shootings. Oral presentation. *Academic Surgical Congress*. February 2021.
19. Munshi R, Hussein M, **Toraih E**, Elshazli R, Jardak C, Sultana N, Youssef M, Omar M, Attia AS, Fawzy M, Killackey M, Kandil E, Duchesne J. Vitamin D Insufficiency as a Potential Culprit in COVID-19 Patients. Oral presentation. *Southeastern Surgical Congress Annual Meeting*. August 2021.
20. Houghton AC, Jackson-Weaver O, **Toraih E**, Burley N, Byrne T, McGrew P, Duchesne J, Tatum D, Taghavi S. Firearm Homicide Mortality is Influenced by Structural Racism in US Metropolitan Areas. Oral presentation. *34th EAST Annual Scientific Assembly*. January 2021.

2020

1. Hussein M, **Toraih E**, Reisner A, Kline A, Corsetti R, Kandil E. Pay Attention to Psychiatric Comorbidities with Adrenal Surgeries. Oral presentation. *American College of Surgeons Scientific Forum*. Chicago, IL. October 2020.
2. Green EA, Guidry C, Harris C, McGrew P, Schroll R, Hussein M, **Toraih E**, Kolls J, Duchesne J, Taghavi S. Surgical Stabilization Improves Survival Without Increasing Readmission After Traumatic Rib Fractures. Oral presentation. *American College of Surgeons Scientific Forum*. Chicago, IL. October 2020.
3. Chun M, Zhang Y, **Toraih E**, McGrew PR. Traumatic Iatrogenic Injuries in Cardiopulmonary Resuscitation: A Meta-Analysis. Oral presentation. *American College of Surgeons Scientific Forum*. Chicago, IL. October 2020. Abstract ID: ASC20210670.
4. Simpson JT, Hussein M, **Toraih E**, Suess M, Tatum D, Taghavi S, McGrew P. Trends and Burden of Firearm Injuries Among Children and Adolescents: A National Perspective. Oral presentation. *American College of Surgeons Scientific Forum*. Chicago, IL. October 2020.
5. Ninokawa S, Tatum D, **Toraih E**, Nordham KD, Ghio M, Taghavi S, Guidry C, McGrew P, Schroll R, Harris C, Duchesne J. Location of Blood Products and the Impact of Time to Initiation of Massive Transfusion Protocol. Oral presentation. *American College of Surgeons Scientific Forum*. Chicago, IL. October 2020.
6. Penrose HM, **Toraih E**, Ruiz E, Iftikhar R, Collins M, Kandil E, Savkovic SD. Differentially Expressed Gene Signatures of Ulcerative Colitis Determine Novel Regulators and Predict Response to Biologic Therapy. Oral presentation. *Crohn's & Colitis Congress*. October 2020.
7. Ngo LC, Elnahla A, Attia AS, Hussein M, **Toraih E**, Kandil E, Killackey M. Chemoembolization versus Radioembolization for Neuroendocrine Liver Metastases: A Meta-analysis Comparing Efficacy and Clinical Outcomes. Oral presentation. *American College of Surgeons Scientific Forum*. Chicago, IL. October 2020.
8. Youssef MR, Reisner ASC, Attia AS, Hussein M, Omar M, LaRussa A, Galvani CA, Abouelisha MA, Abdelgawad M, **Toraih E**, Randolph GW, Kandil E. Impact of Body Mass Index and Weight Change on Developing Thyroid Cancer: A Meta-Analysis Study. Oral presentation. *American College of Surgeons Scientific Forum*. Chicago, IL. October 2020.
9. Duchesne J, Taghavi S, **Toraih E**, Simpson J, Tatum D. Are Legally Purchased Guns to Blame for Overall Firearm Mortality? A State-Level Analysis of the Association Between Firearm Retail Availability and Firearm Mortality. Oral presentation. *79th Annual Meeting of American Association for the Surgery of Trauma*. September 2020.
10. Hussein M, **Toraih E**, Toreih A, Alrowaili MR, Fawzy M, Tatum D, Kandil E, Duchesne JC, Taghavi S. Trampoline Injuries in Children and Adolescents: A Jumping Threat. Oral presentation. *Panamerican Congress of Trauma, Critical Care and Emergency Surgery*. July 2020.

2015-2019

1. **Toraih E**. Introduction to Cancer Bioinformatics. Invited Speaker. *International Cancer Bioinformatics Workshop (ICGEB)*. Center of Excellence for Molecular and Cellular Medicine, SCU, Egypt. March 2019.
2. **Toraih E**. Visualization Tools by R and Web Browsers. Invited Speaker. *International Cancer Bioinformatics Workshop (ICGEB)*. Center of Excellence for Molecular and Cellular Medicine, SCU, Egypt. March 2019.
3. **Toraih E**. LncRNA H19, but not miRNA-326, is over-expressed and predicts survival in glioblastoma. Oral presentation. *Recent Advances in Molecular and Cellular Medicine Conference*. Faculty of Medicine, Suez Canal University, Egypt. December 2018.
4. **Toraih E**. Prognostic value of reprogramming gene LINC-ROR in renal cell carcinoma. Oral presentation. *Recent Advances in Molecular and Cellular Medicine Conference*. Faculty of Medicine, SCU, Egypt. December 2018.
5. **Toraih E**. Bioinformatics: Can Do More Than Expected. Oral presentation. *Histology & Cell Biology Department Annual Scientific Meeting*. Faculty of Medicine, SCU, Egypt. March 2018. **Best Oral Presentation Award**.
6. **Toraih E**. Association of vitamin D and Retinoid X Receptors expression and Vitamin D Binding Protein variants with bone density in Thalassemia Children. Oral presentation. *23rd Congress of European Hematology Association*. Stockholm, Sweden. June 2018.

7. **Toraih E.** OncomiR-196a2 targetome network analysis in solid tumors. Oral presentation. *Young Youth Conference*. Suez Canal University, Egypt. April 2017. **Best Oral Presentation Award.**
8. **Toraih E.** miRNA-34a and targets interplay in renal cell carcinoma pathway. Oral presentation. *Young Youth Conference*. Suez Canal University, Egypt. April 2017.
9. **Toraih E.** OncomiR-196a2: The Hidden Maestro in Cancer Pathways. Invited Speaker. *International Conference on Genomic Medicine (GeneMed-2017)*. Baltimore, MD, USA. February 2017.
10. **Toraih E.** Molecular Biomarkers in Hepatic Differentiation and Cancer. Invited Speaker. *Recent Advances in Stem Cell Research Conference*. Faculty of Medicine, Suez Canal University, Egypt. October 2015.
11. **Toraih E.** Serum microRNA-21: a promising diagnostic and prognostic biomarker in Egyptian breast cancer patients. Oral presentation. *The 13th Asian European Workshop in Inborn Errors of Metabolism*. National Research Centre, Cairo, Egypt. January 2015.
12. **Toraih E.** Interleukin-1 Receptor Antagonist Gene Polymorphism in Patients with Knee Osteoarthritis. Oral presentation. *The Biochemistry and Molecular Biology Conference*. Cairo, Egypt. 2007.

Poster Presentations

Delivered over 140 poster presentations at national and international conferences over the past 5 years: 25 presentations in 2025, 77 in 2024, 22 in 2023, 15 in 2022, and 3 in 2021.

2025

1. Attia A, **Toraih E**, Tatum D. The Interplay Of Model Parameter Size And Quantization In Open-source LLMs: Implications For USMLE Performance And Medical Education. Oral presentation. *American College of Surgeons Clinical Congress*. Chicago, IL. October 4-7, 2025.
2. Riccio I, **Toraih E**. Sexual Disparity and the Risk of Second Primary Thyroid Cancer: A Paradox. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 29, 2025.
3. Mummadi S, **Toraih E**. Cytological Alterations of Benign Thyroid Nodules Following Radiofrequency Ablation. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 29, 2025.
4. Paladugu S, **Toraih E**. Impacts of DROSHA (rs10719) and DICER (rs3742330) Variants on Breast Cancer Risk and Their Distribution in Blood and Tissue Samples of Egyptian Patients. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 29, 2025.
5. Yaghi S, **Toraih E**. Adrenal Carcinoma Laterality is of Limited Clinical Significance: A National Perspective. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 29, 2025.
6. Malik M, **Toraih E**. The AGO1rs595961 Variant: A Key Genetic Culprit in Bladder Carcinoma Risk, While AGO2rs4961280 Remains Innocent. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 28, 2025.
7. Jacques R, **Toraih E**. Sex Differences in Clinical Presentation and Outcomes of Subcutaneous Metastasis in Papillary Thyroid Cancer: A Meta-Analysis and Bioinformatic Analysis. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 28, 2025.
8. Montclare G, **Toraih E**. Higher Incidence of Dermatological Immune-Related Adverse Events in Cancer Patients Treated with Immune Checkpoint Inhibitors vs. Other Treatments. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 28, 2025.
9. Gross A, **Toraih E**. Hashimoto's Thyroiditis Minimizes Lymph Node Metastasis in BRAF Mutant Papillary Thyroid Carcinomas. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 28, 2025.
10. Linhuber J, **Toraih E**. Social Exposome Framework Reveals Hidden Disparities in Thyroid Cancer: A Novel Multi-Ethnic Population Study Advancing Health Equity. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 28, 2025.
11. Siddiqui S, **Toraih E**. The Prevalence and Prognostic Implications of BRAF K601E Mutations in Thyroid Cancer. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 28, 2025.
12. Vu W, **Toraih E**. Long-term Survival Outcomes of Systemic Therapy in Patients with Isolated and Mixed Medullary Thyroid Cancer. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 28, 2025.
13. Laforteza A, **Toraih E**. Diagnostic Utility of RAS Mutation Testing for Refining Cytologically Indeterminate Thyroid Nodules. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 27-29, 2025.
14. Jishu J, **Toraih E**. Comparative Survival Outcomes Between Surgical and Non-Surgical Cases of T1a and T1b Tumors in Thyroid Cancer: A Retrospective Cohort Study. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 27-29, 2025.

15. Elfezzani N, **Toraih E**. From Ablation to Operation: Unraveling the Surgical Outcomes and Complications of Thyroidectomy after Radiofrequency Ablation. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 27-29, 2025.
16. Herzberger K, **Toraih E**. Association of Surgical Kidney Stone Management with Reduced Cancer Risk and Improved Survival: A Global Multi-Center Analysis of 500,000 Patients. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 27-29, 2025.
17. Bruce D, **Toraih E**. Comparative Outcomes of Surgical vs. Non-Surgical Interventions in Advanced Oropharyngeal Cancer. Poster presentation. *Cancer Advocacy Group of Louisiana (CAGLA)*. New Orleans, LA. March 27-29, 2025.
18. **Toraih E**. Retatrutide vs. Single and Dual Agonists: Charting New Territory in Obesity and T2DM Treatment. Poster presentation. *Southern Society for Clinical Investigation (SSCI) Southern Regional Meeting*. New Orleans, LA. February 13-15, 2025. **SSCI Young Faculty Research Travel Award (\$575)**.
19. Paisley J, **Toraih E**. Elevated Cardiovascular and Hematological Risks in Jehovah's Witnesses with Menstrual Irregularities: A Large-Scale Propensity-Matched Cohort Study. Poster presentation. *Southern Society for Clinical Investigation (SSCI) Southern Regional Meeting*. New Orleans, LA. February 13-15, 2025.
20. Gross A, **Toraih E**. Long-term Clinical Outcomes and Survival Analysis of Robotic-Assisted versus Conventional Total Knee Arthroplasty: An 8-Year Propensity-Matched Cohort Study. Poster presentation. *Southern Society for Clinical Investigation (SSCI) Southern Regional Meeting*. New Orleans, LA. February 13-15, 2025.
21. Nicholson K, **Toraih E**. Housing Instability and Musculoskeletal Health: A Retrospective Cohort Study Revealing Gender Disparities and Elevated Risks Among Unhoused Populations. Poster presentation. *Southern Society for Clinical Investigation (SSCI) Southern Regional Meeting*. New Orleans, LA. February 13-15, 2025.
22. Jacques R, **Toraih E**. The Glaucoma Paradox: Socioeconomic Status and the Unexpected Dynamics of Disease Progression. Poster presentation. *Southern Society for Clinical Investigation (SSCI) Southern Regional Meeting*. New Orleans, LA. February 13-15, 2025.
23. Jishu J, **Toraih E**. Timing Matters: The Impact of Age at CFTR Modulator Therapy Initiation in Cystic Fibrosis. Poster presentation. *Southern Society for Clinical Investigation (SSCI) Southern Regional Meeting*. New Orleans, LA. February 13-15, 2025. **Southern Society for Pediatric Research: Winner of the 2025 SSPR Trainee Travel Award (\$500)**.
24. Patel M, **Toraih E**. Investigation of Cytological Changes in Benign Thyroid Nodules Post-Radiofrequency Ablation. Poster presentation. *Louisiana Chapter American College of Physicians*. New Orleans, LA. February 1, 2025.
25. Ardis C, **Toraih E**. Long-Term Effects of Selenium Supplementation in Hashimoto's Thyroiditis: Unexpected Findings from a Large Cohort Study. Poster presentation. *Louisiana Chapter American College of Physicians*. New Orleans, LA. February 1, 2025.

2024

1. Malik H, **Toraih E**. Comparative Efficacy, Safety, and Oncological Outcomes of Percutaneous Thermal and Chemical Ablation Modalities for Recurrent Metastatic Cervical Lymphadenopathy in Thyroid Cancer. Poster presentation. *American Thyroid Association*. Chicago, IL. October 30-November 3, 2024. **Travel Award**.
2. Abdelmaksoud A, **Toraih E**. Leukemia Threats Following Radioactive Ablation Iodine for Thyroid Cancer. Poster presentation. *American Thyroid Association*. Chicago, IL. October 30-November 3, 2024.
3. Bashumeel Y, **Toraih E**. Initial versus Staged Thyroidectomy for Differentiated Thyroid Cancer: A Retrospective Multi-Dimensional Cohort Analysis of Effectiveness and Safety. Poster presentation. *American Thyroid Association*. Chicago, IL. October 30-November 3, 2024.
4. Baah S, **Toraih E**. Survival Impact of Treatment Timing and Surgery Refusal in T1a and T1b Papillary Thyroid Carcinomas: A Comprehensive SEER Analysis. Poster presentation. *American Thyroid Association*. Chicago, IL. October 30-November 3, 2024. **Travel Award**.
5. Sugumar K, **Toraih E**. Radiofrequency Ablation of Benign Thyroid Nodules: Risk of Progression to Indeterminate or Malignant Cytology. Poster presentation. *American Thyroid Association*. Chicago, IL. October 30-November 3, 2024.
6. Laforteza A, **Toraih E**. Comparison of Sedation and Non-Sedation Approaches in Patients Undergoing Radiofrequency Ablation for Thyroid Nodules: A Retrospective Cohort Study. Poster presentation. *American Thyroid Association*. Chicago, IL. October 30-November 3, 2024.
7. Pirzadah H, **Toraih E**. Therapeutic Outcomes and Safety of Radiofrequency Ablation for Primary Papillary Thyroid Carcinoma: Meta-analysis. Poster presentation. *American Thyroid Association*. Chicago, IL. October 30-November 3, 2024. **Travel Award**.
8. Jishu J, **Toraih E**. Limited Thyroidectomy Achieves Equivalent Survival to Total Thyroidectomy for Localized T1 Medullary Thyroid Cancer. Poster presentation. *American Thyroid Association*. Chicago, IL. October 30-November 3, 2024.

9. Siddeeqe N, **Toraih E**. Neuroprotective Effects of GLP-1 Receptor Agonists in Neurodegenerative Disorders: A Large-Scale Propensity-Matched Cohort Study. Poster presentation. *American Muslim Student Association Conference*. Rosemont, IL. October 25-27, 2024.
10. Laforteza A, **Toraih E**. Curative Surgery for Normohormonal Primary Hyperparathyroidism. Poster presentation. *The Society of Asian Academic Surgeons (SAAS)*. New Orleans, LA. September 5-6, 2024.
11. Sugumar K, **Toraih E**. Parathyroidectomy is Associated with Improved Renal Function in Normocalcemic Tertiary Hyperparathyroidism in Renal Transplant Patients. Poster presentation. *The Society of Asian Academic Surgeons (SAAS)*. New Orleans, LA. September 5-6, 2024.
12. Patel M, **Toraih E**, et al. Long-term Survival Outcomes of Systemic Therapy in Patients with Isolated and Mixed Medullary Thyroid Cancer. Poster presentation. *Annual Global Surgery Research Day*. August 24, 2024.
13. **Toraih E**. Matrix Metalloproteinase 9/microRNA-145 Ratio: Bridging Genomic and Immunological Variabilities in Thyroid Cancer. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
14. **Toraih E**. Pioneering Precision Medicine: Unraveling GEMIN4 Variants in Bladder Cancer Through Patient Data and Molecular Dynamic Simulations. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
15. Paladugu S, **Toraih E**. Comparative Efficacy, Safety, and Oncological Outcomes of Percutaneous Thermal and Chemical Ablation Modalities for Recurrent Metastatic Cervical Lymphadenopathy in Thyroid Cancer. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
16. Sydney C, **Toraih E**. What Happens to Patients Undergoing Cancer Surgery with Psychiatric Comorbidities? A Nationwide Retrospective Cohort Study. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
17. Siddiqui S, **Toraih E**. Obesity and the Prevention of Thyroid Cancer: Impact of Body Mass Index and Weight Change on Developing Thyroid Cancer - Pooled Results of 24 million Cohorts. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
18. Webster A, **Toraih E**. Optimizing Parathyroidectomy in the Elderly: Delayed Intraoperative PTH Kinetics. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
19. Baah S, **Toraih E**. Robotic versus Open Completion Thyroidectomy: A 10-year Comparative Analysis. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
20. Laforteza A, **Toraih E**. Radiofrequency Ablation of Lymph Nodes: Treatment Outcomes and Volume Reduction. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
21. Abdelmenem M, **Toraih E**. Concomitant Thymectomy with Parathyroidectomy in Multiple Endocrine Neoplasia Subtypes: Differential Impact on Post-Operative Outcomes. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
22. Abdelmaksoud A, **Toraih E**. Leukemia Threats Following Radioactive Ablation Iodine for Thyroid Cancer. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
23. Hussein M, **Toraih E**. Chasing π -fection in Nodule Volumetry: An Ellipsoid Formula for Enhanced Precision in Cancer. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
24. Tanvi J, **Toraih E**. Therapeutic Outcomes and Safety of Radiofrequency Ablation for Primary Papillary Thyroid Carcinoma: Meta-analysis. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
25. Gross A, **Toraih E**. Comparison of Direct Anterior Versus Lateral Approach for Total Hip Arthroplasty. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
26. Amoako A, **Toraih E**. Prognostic Indicators and Comparative Treatment Outcomes in High-Risk Thyroid Cancer Patients with Laryngotracheal Invasion. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
27. Bashmeel Y, **Toraih E**. Advanced Cancer and Diabetes Mellitus Increase Venous Thromboembolism and Mortality Risks after Flap Reconstruction in Head and Neck Cancer Resection. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
28. Abdelrahman G, **Toraih E**. Elucidating the Link Between Thyroid Cancer and Mercury Exposure. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
29. Malik A, **Toraih E**. Association of VEGF Gene Family Variants with Central Macular Thickness and Visual Acuity after Aflibercept Short-Term Treatment in Diabetic Patients. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
30. Hassan M, **Toraih E**. Association of B-cell Lymphoma 2/microRNA-497 Gene Expression Ratio Score with Metastasis in Patients with Colorectal Cancer: A Propensity-matched Cohort Analysis. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.

31. Siddiqui S, **Toraih E**. Collagen Gene Variant (COL4A3: rs55703767): A Putative Predictor for Response to Riboflavin/Ultraviolet A-induced Collagen Cross-linking in Female Keratoconus Patients. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
32. Pirza H, **Toraih E**. The Blockage Signal for PD-L1/CD274 Gene Variants and Their Potential Impact on Lung Carcinoma Susceptibility. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
33. Nassar R, **Toraih E**. Disparate Outcomes: Income Inequality Effects on Thyroid Cancer Recurrence and Survival. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
34. Rais M, **Toraih E**. Bridging the Gap: Establishing Radiofrequency Ablation as a Safe Precursor to Thyroid Surgery. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
35. Suh A, **Toraih E**. Survival Benefits of Extensive Surgery in Patients with Papillary Thyroid Microcarcinoma. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
36. Chester S, **Toraih E**. Survival Impact of Treatment Timing and Surgery Refusal in T1a and T1b Papillary Thyroid Carcinomas: A Comprehensive SEER Analysis. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
37. Ardis C, **Toraih E**. Parathyroidectomy Improves Renal Function and Bone Metabolism in Normocalcemic Patients with Tertiary Hyperparathyroidism. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
38. Ojemakinde O, **Toraih E**. Optimal Surgical Treatment for T1 Medullary Thyroid Cancer. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
39. Malik M, **Toraih E**. Survival Outcomes of Medullary Thyroid Cancer with and without Amyloid Deposition. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
40. Nicholson K, **Toraih E**. Arthroscopic-Assisted Stabilization of Distal Clavicle Fractures with Coracoclavicular Ligament Injury: Restoring Anatomy and Function. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
41. Milee P, **Toraih E**. Osseous Metastases in Thyroid Cancer: Unveiling Risk Factors, Disease Outcomes, and Treatment Impact. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
42. Malempati M, **Toraih E**. Saw-box Osteotomy versus Reamer-box Osteotomy in Posterior Stabilized Total Knee Arthroplasty. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
43. Elfezzani N, **Toraih E**. Site-specific Metastasis and Survival in Papillary Thyroid Cancer: The Importance of Brain and Multi-organ Disease. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
44. Wajid I, **Toraih E**. Radioactive Iodine Ablation Therapy Reduces Risk of Recurrent Disease in Pediatric Differentiated Thyroid Carcinoma. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
45. Sadakkadulla S, **Toraih E**. Reviving Ancient Therapeutics in Modern Medicine: An Immunological and Biological Review of Cupping in the Management of Hashimoto's Thyroiditis. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
46. Gervasio D, **Toraih E**. Initial versus Staged Thyroidectomy for Differentiated Thyroid Cancer: A Multi-Dimensional Comparative Analysis of Effectiveness and Safety. Poster presentation. *TRICS 2024*. New Orleans, LA. April 23-25, 2024.
47. Jishu J, **Toraih E**, et al. Comparative Survival Outcomes of Total Thyroidectomy vs. Lobectomy/Subtotal in T1 Medullary Thyroid Cancer. Poster presentation. *American Association of Endocrine Surgeons (AAES)*. Dallas, TX. April 20-22, 2024.
48. Pineda E, **Toraih E**, et al. Recurrent or Persistent Differentiated Thyroid Carcinoma in the Pediatric Population after Radioactive Iodine Treatment: A Systematic Review and Meta-Analysis. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.
49. Webster A, **Toraih E**, et al. Elucidating the Link Between Thyroid Cancer and Mercury Exposure. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.
50. Pinion D, **Toraih E**, et al. Prognostic Implications of BRAF K601E Mutations in Thyroid Cancer. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.
51. Jishu J, **Toraih E**, et al. Comparative Survival Outcomes of Total Thyroidectomy vs. Lobectomy/Subtotal in T1 Medullary Thyroid Cancer. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.
52. Comeaux M, **Toraih E**, et al. Navigating Choices: Determinants and Outcomes of Surgery Refusal in Thyroid Cancer Patients. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.
53. Bushmel Y, **Toraih E**, et al. Assessment of Thyroid Dysfunction Among Pregnant Women with Pre-Existing Diabetes Mellitus or Gestational Diabetes Mellitus. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.

54. Issa P, **Toraih E**, et al. Bilateral Nodule Radiofrequency Ablation in a Single Setting: First Reported Case Series. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.
55. Albuck A, **Toraih E**, et al. Subtotal versus Total Parathyroidectomy for the Management of Tertiary Hyperparathyroidism. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.
56. Hussein M, **Toraih E**, et al. Leukemia Threats Following Radioactive Ablation Iodine for Thyroid Cancer. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.
57. McDermut M, **Toraih E**, et al. Navigating Diabetes in Endocrine Surgeries: Outcomes and Economic Implications. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.
58. Riccio I, **Toraih E**, et al. The Prognostic Value of RAS Mutations in Thyroid Cancer: A Meta-Analysis. Poster presentation. *72nd LA-ACS Annual Meeting*. New Orleans, LA. April 5-7, 2024.
59. Luo X, **Toraih E**, et al. Comparative Survival Outcomes of Total Thyroidectomy vs. Lobectomy/Subtotal in T1 Medullary Thyroid Cancer. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
60. Luo X, **Toraih E**, et al. Navigating Choices: Determinants and Outcomes of Surgery Refusal in Thyroid Cancer Patients using SEER Database. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
61. Malik A, **Toraih E**, et al. Lost in Translation: Exploring the Exposome Link between Linguistic Isolation and Cancer Risk in the United States. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
62. Bashmeel Y, **Toraih E**, et al. Genetic Variation of DEAD-Box Helicase 20 as a Putative Marker of Recurrence in Propensity-Matched Colon Cancer Patients. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
63. Abdelmaksoud A, **Toraih E**, et al. Recommend with Caution: A Meta-Analysis Investigating Papillary Thyroid Carcinoma Tumor Progression Under Active Surveillance. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
64. Bashmeel Y, **Toraih E**, et al. Prognostic Value of LINC-ROR (rs1942347) Variant in Patients with Colon Cancer Harboring BRAF Mutation: A Propensity Score-Matched Analysis. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
65. Malik M, **Toraih E**, et al. Osseous Metastases in Thyroid Cancer: Unveiling Risk Factors, Disease Outcomes, and Treatment Impact. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
66. Hussein M, **Toraih E**, et al. Radioiodine Therapy and Leukemia Risk in Thyroid Cancer Survivors. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
67. Hussein M, **Toraih E**, et al. Initial versus Staged Thyroidectomy for Differentiated Thyroid Cancer: A Multi-Dimensional Comparative Analysis of Effectiveness and Safety. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
68. Hussein M, **Toraih E**, et al. Chasing π -fection in Nodule Volumetry: An Ellipsoid Formula for Enhanced Precision in Cancer. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
69. Jishu J, **Toraih E**, et al. Long-term Survival Outcomes of Systemic Therapy in Patients with Isolated and Mixed Medullary Thyroid Cancer. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
70. Jishu J, **Toraih E**, et al. Prognostic Indicators and Comparative Treatment Outcomes in High-Risk Thyroid Cancer Patients with Laryngotracheal Invasion. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
71. Staav J, **Toraih E**, et al. Migration/Differentiation-Associated LncRNA SENCN rs12420823*C/T: A Novel Gene Variant Can Predict Survival and Recurrence in Patients with Breast Cancer. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
72. Herrera M, **Toraih E**, et al. Survival Outcomes of Total Thyroidectomy versus Limited Surgery for Papillary Thyroid Microcarcinoma. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
73. Persons E, **Toraih E**, et al. Impact of Radioactive Iodine on Outcomes Among Pediatric and Adolescent Thyroid Cancer Patients: A SEER Database Analysis. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.

74. Sadakkadulla S, **Toraih E**, et al. Survival Outcomes of Medullary Thyroid Cancer with and without Amyloid Deposition. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
75. Tsang M, **Toraih E**, et al. Income Disparities Have a Significant Impact on Thyroid Cancer Recurrence and Survival. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
76. Abdelmenem M, **Toraih E**, et al. Radiofrequency Ablation in Papillary Thyroid Microcarcinoma: Safety and 12-Month Efficacy. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.
77. McDermut M, **Toraih E**, et al. Navigating Diabetes in Endocrine Surgeries: Outcomes and Economic Implications. Poster presentation. *3rd Annual Cancer Advocacy Group of Louisiana, Inc. (CAGLA)*. February 29-March 2, 2024.

2023

1. Riccio I, **Toraih E**, et al. Social Exposome and the Tip of the Iceberg in Diagnosing Thyroid Cancer in Disproportionately Affected Communities: A US Population Based Study. Poster presentation. *American Thyroid Association*. Washington DC. October 2023.
2. Griffin J, **Toraih E**, et al. GLUT1 and ASCT2 Protein Expression in Papillary Thyroid Patients and Relation to Hepatitis C Virus: A Propensity-Score Matched Analysis. Poster presentation. *American Thyroid Association*. Washington DC. October 2023.
3. Jishu J, **Toraih E**, et al. Completed Thyroidectomy: Robotic Assistance is a Safe and Effective Approach. Poster presentation. *American Thyroid Association*. Washington DC. October 2023.
4. Pineda E, **Toraih E**, et al. Recurrent or Persistent Differentiated Thyroid Carcinoma in the Pediatric Population after Radioactive Iodine Treatment: A Systematic Review and Meta-Analysis. Poster presentation. *American Thyroid Association*. Washington DC. October 2023.
5. Pinion D, **Toraih E**, et al. Mercury and Thyroid Cancer Development: A Review and Meta-Analysis. Poster presentation. *American Thyroid Association*. Washington DC. October 2023.
6. Webster A, **Toraih E**, et al. A Meta-Analysis and Review of the BRAF K601E Mutation vs. The V600E Mutation. Poster presentation. *American Thyroid Association*. Washington DC. October 1-3, 2023.
7. Persons E, **Toraih E**, et al. Survival Trends of Differentiated Thyroid Carcinoma in the Pediatric Population after Radioactive Iodine Treatment. Poster presentation. *American Thyroid Association*. Washington DC. October 2023.
8. Herrera M, **Toraih E**, et al. Survival Benefits from Extensive Surgery for Papillary Thyroid Microcarcinoma. Poster presentation. *American Thyroid Association*. Washington DC. October 2023.
9. Namala R, **Toraih E**, et al. Diagnostic Accuracy of Ultrasound in Predicting Extrathyroidal Extension and Its Relation to Body Mass Index in a North American Population. Poster presentation. *American Thyroid Association*. Washington DC. October 2023.
10. **Toraih E**, et al. Thyroid Carcinoma: A Review for 25 Years of Environmental Risk Factors Studies. Poster presentation. *TRICS 2023 Health Sciences*. New Orleans, LA. 2023.
11. **Toraih E**, et al. Type 2 Diabetes and Thyroid Cancer: Synergized Risk with Rising Air Pollution. Poster presentation. *TRICS 2023 Health Sciences*. New Orleans, LA. 2023.
12. Issa P, **Toraih E**, et al. Cardiovascular Health by Graves' Disease Management Modality - Surgery Versus Radioactive Iodine Versus Anti-Thyroid Medications. Poster presentation. *TRICS 2023 Health Sciences*. New Orleans, LA. 2023.
13. **Toraih E**, et al. Social Exposome and the Tip of Iceberg in Diagnosing Thyroid Cancer in Disproportionately Affected Communities: A US Population-Based Multi-Ethnic Study. Poster presentation. *American Association of Endocrine Surgeons (AAES)*. Birmingham, AL. April 29-May 1, 2023.
14. **Toraih E**, et al. Be Patient – Intraoperative Parathyroid Hormone Drop Following Parathyroidectomy in Patients with Primary Hyperparathyroidism. Poster presentation. *American Association of Endocrine Surgeons (AAES)*. Birmingham, AL. April 29-May 1, 2023.
15. **Toraih E**, et al. Be Patient – Intraoperative Parathyroid Hormone Drop Following Parathyroidectomy in Patients with Primary Hyperparathyroidism. Poster presentation. *American Head and Neck Society (AHNS) Annual Meeting*. Palais des congrès in Montréal, QC, Canada. July 8-12, 2023.
16. **Toraih E**, et al. Molecular Markers and Drivers of Aging-Dependent Aggressiveness in Thyroid Cancers. Abstract #2. Poster presentation. *TRICS 2023 Health Sciences*. New Orleans, LA. 2023.
17. **Toraih E**, et al. Complex SAGA in Targeted Therapies. Abstract #26. Poster presentation. *TRICS 2023 Health Sciences*. New Orleans, LA. 2023.

18. **Toraih E**, et al. Mesenchymal Stem Cell Markers and miR-155 in Cutaneous Melanoma. Poster presentation. *TRICS 2023 Health Sciences*. New Orleans, LA. 2023.
19. **Toraih E**, et al. Recommend with Caution: A Meta-Analysis Investigating Papillary Thyroid Carcinoma Tumor Progression Under Active Surveillance. Abstract #56. Poster presentation. *TRICS 2023 Health Sciences*. New Orleans, LA. 2023.
20. Elfezzani N, **Toraih E**, et al. Diagnostic and Prognostic Performance of Liquid Biopsy-Derived Exosomal microRNAs in Thyroid Cancer Patients: A Systematic Review. Abstract #4. Poster presentation. *TRICS 2023 Health Sciences*. New Orleans, LA. 2023.
21. Issa P, **Toraih E**, et al. Sheep in Wolf Skin - Papillary Thyroid Cancer and RAS Alterations Using The Cancer Genome Atlas. Abstract #28. Poster presentation. *TRICS 2023 Health Sciences*. New Orleans, LA. 2023.
22. Malik M, **Toraih E**, et al. GLUT1 and ASCT2 Protein Expression in Papillary Thyroid Patients and Relation to Hepatitis C Virus. Abstract #55. Poster presentation. *TRICS 2023 Health Sciences*. New Orleans, LA. 2023.

2022

1. **Toraih E**, Hussein MH, Tatum D, McGrew P, Taghavi S, Guidry C, Schroll R, Duchesne J. Mortality Timeline Benchmarks for Hemorrhage Control in Non-Compressible Torso Hemorrhage: Decision Tree Model. Poster presentation. *EAST 35th Annual Scientific Assembly*. Austin, TX. January 11-15, 2022.
2. Taghavi S, Maher Z, Goldberg A, Haut E, Tatum D, **Toraih E**. Analysis of Police Transport in An Eastern Association for the Surgery of Trauma Multicenter Trial Examining Pre-hospital Procedures in Penetrating Trauma Patients. Poster presentation. *EAST 35th Annual Scientific Assembly*. Austin, TX. January 2022.
3. Taghavi S, Chun T, Bellfi L, Malone C, Oremosu J, Ali A, **Toraih E**, Duchesne J, Tatum D. A Propensity-Matched Analysis of Tranexamic Acid and the Development of Acute Respiratory Distress Syndrome in Trauma Patients. Poster presentation. *44th Annual Conference on Shock*. 2022.
4. **Toraih E**, Hussein MH, Omar M, El-Wazir M, El-Wazir A. Ultraviolet Ambient Exposure Decreases Thyroid Cancer Risk in Black Populations: A Multiethnic Study. Poster presentation. *SMA's 2nd Annual Physicians-in-Training Leadership Conference*. February 11-13, 2022.
5. Ninokawa S, Tatum D, **Toraih E**, Nordham KD, Ghio M, Taghavi S, Guidry C, McGrew P, Schroll R, Harris C, Duchesne J. Elevated K/iCa Ratio is a Predictor of Mortality in Patients with Severe Hemorrhage: A Decision Tree Analysis. Poster presentation. *44th Annual Conference on Shock*. 2022.
6. Riccio I, Laforteza A, Hussein M, Linhuber J, **Toraih E**, Kandil E. Social Exposome & the Tip of Iceberg in Diagnosing Thyroid Cancer: A US Population-Based Multi-Ethnic Study. Poster presentation. *ACS Clinical Congress*. San Diego, CA. October 16-20, 2022.
7. Issa PP, Munshi R, Omar M, Abu Alhuda RF, Metz T, Hussein M, Shama M, Lee GS, **Toraih E**, Kandil E. Factors Predicting Progression Of Papillary Thyroid Carcinoma Under Active Surveillance: A Systematic Review and Meta-analysis. Poster presentation. *ACS Clinical Congress*. San Diego, CA. October 16-20, 2022.
8. Trinh LN, Crawford AR, Hussein MH, Zerfaoui M, **Toraih E**, Randolph GW, Kandil E. Predicting the Risk of Second Primary Thyroid Cancer After Surviving a Malignancy: A Latency Trend Analysis Over Four Decades. Poster presentation. *American Thyroid Association*. Canada. October 2022.
9. Hussein MH, Mueller L, Issa PP, Haidari M, Trinh LN, **Toraih E**, Kandil E. Sexual Disparities In The Risk Of A Second Primary Thyroid Cancer After Surviving A Malignancy: A Paradoxical Threat. Poster presentation. *American Thyroid Association*. Canada. October 2022.
10. **Toraih E**, Hussein MH, Omar M, El-Wazir M, El-Wazir A. Ultraviolet Ambient Exposure Decreases Thyroid Cancer Risk in Black Populations: A Multiethnic Study. Poster presentation. *American Thyroid Association*. Canada. October 2022.
11. Riccio I, Laforteza A, Hussein M, Linhuber J, **Toraih E**, Randolph GW, Kandil E. Social Exposome and the Tip of Iceberg in Diagnosing Thyroid Cancer in Disproportionately Affected Communities: A US Population-Based Multiethnic Study. Poster presentation. *American Thyroid Association*. Canada. October 2022.
12. **Toraih E**, Ruiz E, Ning B, Tortelote GG, Moroz K, Hu T, Kandil E. Chromatin Accessibility of the Host Gene Releases miR-34a Targeting the Thyroid Cancer Pathway. Poster presentation. *Society of Asian Academic Surgeons Annual Meeting*. Hawaii. September 16-19, 2022.
13. Taghavi S, Abdullah S, **Toraih E**, Packer J, Drury R, Aras O, Kosowski E, Shaheen F, Duchesne J, Jackson-Weaver O. Dimethyl Malonate Decreases Succinate Accumulation and Preserves Cardiac Function in a Swine Model of Hemorrhagic Shock. Poster presentation. *44th Annual Conference on Shock*. 2022.
14. Hussein MH, Elshazli RM, Attia AS, Nguyen T, Aboueisha M, Munshi R, **Toraih E**, Fawzy MS, Kandil E. Asthma and COVID-19: Different Entities, Same Outcome? A Meta-Analysis of 107,983 Patients. Poster presentation. *LA ACS*. 2022.

15. **Toraih E**, Sedhom JA, Dokunmu TM, Hussein MH, Ruiz EML, Muthusamy K, Zerfaoui M, Kandil E. Hidden in Plain Sight: The Effects of BCG Vaccination in COVID-19 Pandemic. Poster presentation. *LA ACS*. 2022.

2021

1. Chun M, Saeg F, Meade A, **Toraih E**, Chaffin A, Homsy C. Immediate Lymphatic Reconstruction Lowers Lymphedema Incidence in Axillary and Inguinal Lymphadenectomy. Poster presentation. *ASPS Plastic Surgery: The Meeting 2021*. Atlanta, GA. 2021.
2. **Toraih E**, Fawzy MS, Hussein MH, El-Labban MM, Ruiz EML, Attia AS, Halat S, Moroz K, Errami Y, Zerfaoui M, Kandil E. MicroRNA-Based Risk Score for Predicting Tumor Progression Following Radioactive Iodine Ablation in Intermediate-Risk Well-Differentiated Thyroid Cancer Patients: A Propensity-Score Matched Analysis. Poster presentation. *90th Annual Meeting of the American Thyroid Association*. September 30-October 3, 2021.
3. Duchesne J, Taghavi S, **Toraih E**, Tatum D. State Gun Law Grades Have Not Impacted Mass Shooting Event Incidence: An 8-Year Analysis. Poster presentation. *Southern Surgical Association*. December 2021.

2015-2019

1. **Toraih E**, El-Wazir A, Fawzy MS. Circulating Novel Markers (lncRNA MIAT and MALAT1) in coronary artery disease. Poster presentation. *Histology & Cell Biology Department Annual Scientific Meeting "Genetics from Bench to Beside"*. Faculty of Medicine, Suez Canal University, Egypt. March 29, 2018.
2. **Toraih E**, Fawzy MS, El Fadeal NM, Badran DI, Hussein MH. Reverse Hybridization Multiplex PCR to Identify Atherosclerotic and Thrombotic Genetic Determinants in Coronary Artery Disease. Poster presentation. *Histology & Cell Biology Department Annual Scientific Meeting "Genetics from Bench to Beside"*. Faculty of Medicine, Suez Canal University, Egypt. March 29, 2018. **Best Poster Presentation Award**.
3. **Toraih E**, Ismail NM, Toraih AA, Hussein MH, Fawzy MS. Precursor miR-499a Variant but not miR-196a2 is Associated with Rheumatoid Arthritis Susceptibility in an Egyptian Population. Poster presentation. *Histology & Cell Biology Department Annual Scientific Meeting "Genetics from Bench to Beside"*. Faculty of Medicine, Suez Canal University, Egypt. March 29, 2018.
4. **Toraih E**, Hussein MH, AbdAllah NB, Mohammed EA, Kishk AM, Fawzy MS. Structure and Functional Impact of Seed Region Variant in miR-499 Gene Family in Bronchial Asthma. Poster presentation. *Histology & Cell Biology Department Annual Scientific Meeting "Genetics from Bench to Beside"*. Faculty of Medicine, Suez Canal University, Egypt. March 29, 2018.
5. **Toraih E**, Aly NM, Al-Qahtani SAM, Shaalan AAM, Hussein MH, Fawzy MS. MicroRNA-Targets Cross-Talks: Key Players in Glioblastoma Multiforme. Poster presentation. *International Conference on Genomic Medicine*. Baltimore, USA. February 22-24, 2017.
6. **Toraih E**, Ibrahim AT, Fawzy MS, Hussein MH, Al-Qahtani SAM, Shaalan AAM. MiRNA-34a: A Key Regulator in the Hallmarks of Renal Cell Carcinoma. Poster presentation. *International Conference on Genomic Medicine*. Baltimore, USA. February 22-24, 2017.
7. **Toraih E**, Badran DI, Al-Ageeli E, Al-Qahtani SAM, Helal GM. Longevity-Related Genes Transcriptomic Signature in Glioblastoma Multiforme. Poster presentation. *Young Youth Conference*. Suez Canal University, Egypt. April 29-30, 2017.
8. **Toraih E**, Fawzy MS, Abdelaziz EZ, Yamany HA, Ismail HM. MicroRNA-196a2 Variant as a Potential Pharmacogenetic Marker for Bronchodilator Response in COPD. Poster presentation. *Third Annual Conference of the Medical Biochemistry, BIOCHEM 2016*. Cairo, Egypt. March 12, 2016.
9. **Toraih E**, Medras ZJH, El-Sayed NM, Zaitone SA, Sami M, Moustafa YM. Combination of Liraglutide and Glutamine Increases Expression of Sodium-Dependent Neutral Amino Acid Transporter-2 and Mitigates Apoptosis in Islets of Langerhans in Diabetic Rats. Poster presentation. *First Annual Symposium, Department of Pharmacology and Toxicology*. Faculty of Pharmacy, Suez Canal University Ismailia, Egypt. May 2016. **Best Poster Presentation Award**.
10. **Toraih E**, Fawzy MS, Hussein MH, Ismail HM. Could MicroRNA-196A2 Variant Pave the Road Towards Personalized Therapy in COPD? Poster presentation. *First Annual Symposium, Department of Pharmacology and Toxicology*. Faculty of Pharmacy, Ismailia, Egypt. May 9, 2016.
11. **Toraih E**, Fawzy MS, Alhadramy O, Hussein MH, Ismail HM, Ismail NM, Biomy NM. Association of ATP-Binding Cassette Transporter A1 R219K and I883M Haplotypes with Obesity in Children. Poster presentation. *International Conference on Nucleic Acids: Biology, Human Health and Diseases*. New Orleans, LA, USA. August 2016.
12. **Toraih E**, Hussein MH, Ali NM, Fawzy MS. A Passenger Strand Variant in miR-196a2 Contributes to Asthma Severity in Children and Adolescents. Poster presentation. *International Conference on Nucleic Acids: Biology, Human Health and Diseases*. New Orleans, LA, USA. August 4-5, 2016.

Honors and Awards

National/International Recognition & Research Awards

2025

- *Tinsley Harrison Scholar*, Southern Society for Clinical Investigation
- *Young Faculty Research Travel Award*

2024

- *Innovation and Technology Development Award*, Tulane University

2023

- *Pilot Grant Award*, Tulane University

2022

- *Promising Research Direction for Future Potential Award*, Research Symposium 2022, Pine Biotech

2021

- *American Thyroid Association Award*
- *International Publication Award*, Suez Canal University
- *LACaTS Pilot Grant*, Tulane University

2020

- *Carol Lavin Bernick Faculty Award*, Tulane University

2019–2016

- *International Publication Award* (2019, 2018, 2017, 2016), Suez Canal University

2015

- *Director of Molecular Laboratory*, Center of Excellence for Molecular and Cellular Medicine
- *Re-accreditation Award*, National Authority for Quality Assurance and Accreditation of Education

Early Career & Academic Excellence

2018

- *Best Poster Award*, Cell Biology Department Annual Scientific Meeting, Suez Canal University

2017

- *Oral Presentation Award*, 4th Young Researcher Conference, Suez Canal University

2016

- *Best Poster Award*, Annual Symposium, Department of Pharmacology and Toxicology

2015

- *Suez Canal University President's Award*: Outstanding PhD Thesis (Excellent Degree)

2008

- *Egyptian Medical Syndicate Award*: Excellent Degree in Master Program

2002

- *Suez Canal University President's Award*: First in Class (Honors Degree)

1997

- *Governor's Special Recognition*, Ismailia City

University Committees and Services

Tulane University

- **University Standing Sub-Committee on Libraries** (April 2024–Present)
- **Institutional Review Board (IRB) Faculty Advisory Committee** (Apr 2023–Present)
- **Equality, Diversity, and Inclusion (EDI) Committee**, Department of Surgery (Jun 2022–Present)
- **Wellness Committee** (Jun 2022–Present)

SUNY University

- **Interprofessional Research** (October 2024–Present)

Professional Societies and Affiliations

- **Southern Society for Clinical Investigation (SSCI)** (2024–Present)
- **Eastern Association for the Surgery of Trauma (EAST)** (2021–2024)
- **American Thyroid Association** (2020–Present)

National and International Committee Memberships

Leadership Roles

- **Chair**, Professional Development & Mentorship Subcommittee, Group on Women in Medicine and Science (GWIMS) (2025–Present)
- **Associate Member**, Translational Oncology Research Program, Tulane Cancer Center (2024–Present)

Committee Memberships

- **Member**, TCESBM Investigators (2024–Present)
- **Member**, Tulane Group on Women in Medicine and Science (2023–Present)
- **Member**, Manuscript & Literature Review Committee, EAST (2022–2024)
- **Member**, Research Committee, American Thyroid Association (2021–Present)

Editorial and Advisory Experience

Grant Review Experience

Federal Grant Review:

- Department of Defense: FY24 Toxic Exposures Research Program (TERP) Peer Review Panel (2024-2025)
- NIH NCATS Loan Repayment Program Review (2022)
- NIH Center for Scientific Review: Genomics, Computational Biology and Technologies Study Section (2021-2022)

Foundation/Association Review:

- Pennsylvania Department of Health Peer Review (2024)
- American Thyroid Association Research Grants (2021-2023)

Research Evaluation

Manuscript/Abstract Review:

- Eastern Association for the Surgery of Trauma (EAST) Manuscript Committee (2022-2023)
- Annual Plastics Resident Research Day (2022)

Conference/Symposium Review:

- American Physician Scientists Association (2025)
- Young Researchers Conference (2016-2019)
- Best Student Projects Committee (2017-2019)
- Medical Scientific Committee (2015-2019)

Editorial Board Memberships

Guest Editor for Special Issues:

- *Frontiers in Allergy*: "Fibroblast Phenotype Transition in Allergy: Advanced Molecular Therapeutic Targets" (2024-2025)

- *Cancers*: "Novelty in Endocrine Cancer - Technology, Techniques & Therapy" (2022-2023)
- *Diagnostics*: "The Role of Long Non-Coding RNAs in Molecular Diagnosis of Diseases" (2022-2023)

Scientific Advisory Boards:

Member, Scientific Advisory Boards for

- *Premier Clinical & Translational Journals*
Lancet Oncology, Annals of Surgery, Cancer Research, Future Oncology, Cancer Medicine, American Journal of Translational Research, Journal of Medical Virology
- *Oncology & Cancer Research*
Cancers, Tumor Biology, OncoTargets and Therapy, Cancer Letters, Epigenomics, Cancer Research and Therapeutics, Tumor Biology
- *Methodological & Technical*
MicroRNA, Current Pharmaceutical Design, British Journal of Mathematics & Computer Science, Journal of Clinical Laboratory Analysis, International Journal of Biochemistry Research & Review, Recent Patents on Biomarkers
- *Hematology & Immunology*
Blood Transfusion & Disorders, Journal of Hematology, Scientific Journal of Immunology & Immunotherapy, Innate Immunity
- *Surgical & Specialized Medicine*
Surgery, International Journal of Surgery and Medicine, Frontiers in Surgery, Spine, Lung
- *Interdisciplinary Science*
Oxidative Medicine and Cellular Longevity, Cellular Physiology and Biochemistry, Bioscience Reports, Ecological Genetics and Genomics, European Journal of Histochemistry, Genetics Research, Journal of Advances in Biology & Biotechnology, Journal of Applied Life Sciences International, Journal of Global Agriculture and Ecology, Journal of International Research in Medical and Pharmaceutical Sciences
- *Additional Roles*
Biological Research, British Journal of Medicine and Medical Research, Canadian Journal of Infectious Diseases and Medical Microbiology, Cancer Reports, Clinical and Experimental Rheumatology, International Journal of Biological Markers

Teaching and Mentorship

Thesis Supervision

Suez Canal University Faculty of Medicine

Master's Theses Supervised (Medical Genetics & Dermatology Focus)

- Basma Ragab (2019): *TRAIL Gene Variant (rs573653) in Alopecia Patients*
- Noha Hussein (2019): *ICAM-1 Gene Polymorphisms and Alopecia Risk*
- Duaa Omar (2018): *Quantitative Analysis of Plasma miR-133a in Vitiligo Patients*
- Hatem Amin (2018): *TP53 Codon 72 Polymorphisms in Alopecia Acreata*
- Iman Abdel-Nasser (2018): *ESR1 Genetic Diversity (rs1259523) in Alopecia*

PhD Theses Supervised

- Sherin El-Sayed (2018): *Neuroprotective Effects of Ranolazine vs. Pioglitazone in Diabetic Neuropathy*
- Noura Ramadan (2017): *Co-expression of ESR1, lncRNA HOTAIR, and miRNA in Breast Cancer*

U.S. Mentorship & Training Programs

Medical Student Research Leadership

- Supervised 200+ trainees (T1–T4, residents, postdocs) from Tulane, LSU, Ochsner, SUNY, Maryland, John Hopkins, Cleveland (2020–present)
- GWIMS Women in Medicine Mentor (2023–Present)
- Association of Women Surgeons Mentor (2021)

Funded Trainee Projects

- **DeBakey Scholars Program** (\$2,000 grant to Jishu Jessan, 2023)
- **ATA Ridgway Thyroid Trainee Grants** (5 students, 2023–2024)
- **ASPIRE Summer Fellowships** (2022–2024):
 - *Socioeconomic Disparities in Glaucoma* (Ronaldine Jacques, 2024)
 - *Robotic vs. Conventional TKA* (Andrew Gross, 2024)
 - *Musculoskeletal disorders risk in homeless* (Katelyn Nicholson, 2024)
 - *Pediatric Thyroid Cancer Outcomes* (Emily Persons, 2023)
 - *Surgery in Papillary Thyroid Microcarcinoma* (Marcela Herrera, 2023)

Awards & Mentee Achievements:

- **Best Presentation Awards:**
 - Siva Paladugu (T1)- *Cancer Advocacy Group of Louisiana (CAGLA)*. First Place Best Presentation Award (\$2,500) (2025)
 - Dara Bruce (T1) - *Louisiana Chapter American College of Physicians*. First Place Student Oral Presentation. New Orleans, LA. (February 2025)
 - Manal Malik (T2) - Best Oral Presentation, First Place (2023)
- **Travel & Research Awards:**
 - Sarah Yaghi - *SSCI Southern Regional Meeting. Southern Society for Clinical Investigation (SSCI)* Student Research Travel Award (\$150). New Orleans, LA. (February 2025)
 - Tarick Ahmed - *SSCI Southern Regional Meeting*. SSCI Student Research Travel Award (\$150). New Orleans, LA. (February 2025)
 - Jessan Jishu - **Southern Society for Pediatric Research (SSPR)** Trainee Travel Award (\$500) (2025)
 - ATA Travel Awards (5 students in 2023, 3 students in 2024)
 - ATA Outstanding Trainee Awards (3 students, 2023)

Active Mentees in special programs (2024–2025)

- **PrePAIR:** Preparing Professionals to Achieve Inclusion, Respect and Resilience Mentorship Program
- **ASPIRE Program (2025):** Ahmed Al-Shammari
- **Tulane Research Network:** Audrey Campisi, Aneesh Miryala, Alexandra Keenan
- **SNMA HEAL Program:** Hannah Boozalis
- **Surgery Research Bootcamp Program:** Ibrahim Yazgan, Gabriel Montclare, Kyle Bridges, Kyra Herzberger, Sydney Chester, Kaitlin Nguyen, Win Khang Vu, Olivia Goldenberg, Carolina Gomez, Michael Rubsamen, Shriya Chunduri, E'ven Shelton, Dara Bruce, John Paisley, Rishith Vaddavalli, Andrew Gross, Jessan Jishu, Katelyn Nicholson
- **Surgery Research Electives:** Jessan Jishu: *Salivary miRNA biomarkers for diagnosing pancreatic adenocarcinoma*
- **SUNY Supervised Trainees:** Gaby Wolfe, Jennifer Nguyen, Jully Medna, Kathy Burke, Kenneth Garcia, Martine Augustin, Sam D'Angelo

Professional Development

Leadership & Professional Development Programs

- Antiracial Leadership Program | Tulane University Leadership Institute | Aug 2024-May 2025
- AAMC CORE Leadership Development | Feb-Mar 2025
- Grant Writers' Seminars & Workshops | May 2025
- EDI Professional Development Program | Tulane University | Feb-Nov 2024

Technical Certifications & Advanced Training

- Ingenuity Pathway Analysis (IPA) Certified | Qiagen Co | Nov-Dec 2022

- Advanced Bioinformatics | Pine-Biotech Omics Logic | Jun 2021-Jun 2022
- Genomics, Bioinformatics, Programming | ArrayGen Technologies | Sep-Oct 2017
- Regenerative Medicine | University of Toronto School of Medicine | Sep 2016-Apr 2017
- Epigenetic Control of Gene Expression | University of Melbourne | Nov-Dec 2016

Bioinformatics & Genomics

- Interpretation of Spatial Transcriptomics Data | Mar 2025
- CBW Introductory Spatial 'Omics: Visium HD | Feb 2025
- Bioinformatics Bootcamp: Xenium in situ data analysis | Jan 2025
- Genomic Data Analysis for Beginners | Sep 2024
- QIAGEN IPA Deep Dive: miRNA Investigation | Aug 2024
- OmicSoft Studio: RNA-seq and Expression Data Analysis | Aug 2024
- CLC Genomic WorkBench & Ingenuity Pathway Analysis | Aug 2024

Data Science & Programming

- Machine Learning A-Z: AI, Python & R + ChatGPT | Jan-Feb 2025
- NVIDIA Deep Learning Institute: Fundamentals of Deep Learning | Nov 2024
- Deep Learning with Keras and Tensorflow in R | Nov 2024
- Advanced Neural Networks in R | Nov 2024
- Data Storytelling Training & R Refresher Training | Aug 2024
- TriNetX Advanced Analytics Series | May 2024
- Applied Machine Learning in R | Mar 2024
- Statistics with R - Intermediate Level | Feb 2024

Artificial Intelligence & Machine Learning

- Mastering the AI Era: Insights from Novartis, MIT & Biotech Leaders | Apr 2025
- AI Beyond ChatGPT | Apr 2025
- Generative AI Full Course | 2024
- No Code Artificial Intelligence Bootcamp | Dec 2024
- Course Enhancement with Generative AI | Sep 2024
- Generative AI in Biology and Healthcare | Mar 2024

Research & Scientific Skills

- Mastering Your Manuscript Revisions: Insights from Nature Editors | Jan 2025
- Designing a Scientific Research Poster | Mar 2025
- Ethics and Professional Conduct in Academic Work | Jul 2024
- Finding Your Funding | Apr 2024

Healthcare & Medical Training

- Healthcare Compliance - Annual Refresher HIPAA/General Training | Apr 2025
- Primary Ovarian Insufficiency and Early Menopause | Apr 2025
- The X Factor: Sex Differences in Development and Disease | Sep 2024
- COBRE Bootcamp: Sex-Based Research | Sep 2024-Mar 2025
- Bench to Bedside: Integrating Sex and Gender in Human Health | Sep 2024
- Tulane Center of Excellence in Sex-based Biology and Medicine Symposium | Apr 2024

Professional Skills Development

- Professional Development Day 2024 | Sep 2024
 - Strategic Career Planning, Tech Toolkit, Leadership Branding, AI for Productivity
- Intellectual Property Management | Aug 2024
- Approach of Restorative Circles | Jul 2024
- Introduction to Restorative Practice | Jul 2024
- Self Leadership & Powerful Presentations | Mar 2024

Language

- Arabic (Native): Reading, writing, and speaking at native level
- English (Fluent): Advanced academic writing, professional presentations, technical discussions
- French (Intermediate): Conversational ability, basic reading comprehension

Volunteer Activities and Community Service

Educational Outreach

- School Bag Drive: Spearheaded initiative to distribute essential school supplies to students, promoting educational accessibility
- Arabic Language Instruction: Provided weekly language instruction to children at a Sunday school in Kenner, fostering cultural understanding and linguistic skills (2023-present)

Healthcare & Community Support

- Healthcare Chaplaincy: Authored grant proposal for medical chaplain training programs under the Jefferson Islamic Association
- Food Bank Volunteer: Contributed to local food security efforts through organizing and packing food items-
- Homeless Shelter Assistant: Supported meal service and donation sorting for individuals experiencing homelessness

Environmental Initiatives

- Environmental Cleanup: Participated in debris collection events including waterway cleanup by canoe
- Recycling Program Organizer: Established and managed community recycling initiatives

Animal Welfare

- Shelter Pet Reading Program: Provided companionship to shelter animals through regular reading sessions

Cultural Engagement

- Community Events Coordinator: Organized cultural festivals and departmental events promoting cross-cultural understanding

Professional References

Prof. Mary T. Killackey, MD

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