

PATHOLOGY/BIOLOGY

Wednesday

Poster Session

11:30 AM – 1:00 PM	I1	Internal Graze Gunshot Wounds <i>Nikoli Nickson, BA*; Joyce deJong, DO; Joseph Prahlow, MD</i>
11:30 AM – 1:00 PM	I2	One Nail Drives Out Another: An Atypical Suicide <i>Marigrazia Calbano, MD*; Antonio De Donno, PhD; Federica Mele, MD; Mirko Leonardelli, MD; Gianluca Musci, MD; Stefano Duma, MD; Gianluca Gravili, MD; Enrica Macorano, MD; Giovanni De Gabriele, MD; Francesco Introna, MD</i>
11:30 AM – 1:00 PM	I3	A Case of Autoerotic Death by Electrocution <i>Yoo Min Ahn, DO, MS*; Chester Gwin, MD</i>
11:30 AM – 1:00 PM	I4	A Case of Mechanical Asphyxia Due to a Bowling Pinsetter Machine and a Brief Review of the Literature <i>Adam Gonzalez, MD*; Lucas Wieck, MD; J. Keith Pinckard, MD, PhD</i>
11:30 AM – 1:00 PM	I5	An Unusual Suicide With Multiple Gunshot Injuries to the Head From Two Different Weapons <i>Mihaela Georgieva, MD; Martin Angelov, MD; Kamen Peev, MD; Ilina Brainova, MD, PhD; Verzhiniya Stefanova, MD.; Alexandar Alexandrov, MD, PhD; Metodi Goshev, MD, PhD; Lorenzo Gitto, MD; Biliana Mileva, MD*</i>
11:30 AM – 1:00 PM	I6	An Assault on Coagulation: A Complex Suicide by Ingestion of Warfarin and Stab Wounds <i>Martina Padovano, MD*; Federico Manetti, MD; Davide Radaelli, MD; Maria Chiara David, PhD; Stefano D'Errico, MD, PhD; Matteo Scopetti, MD</i>
11:30 AM – 1:00 PM	I7	Complex Deaths: Murder or Suicide? A Report of Three Cases <i>Maria Antonella Bosco, MD*; Valentina Milone, MD*; Roberta Bibbò, MD*; Michele Ahmed Antonio Karaboue, LLM*; Francesco Carpano, MD*; Santina Cantatore, MD*; Stefania De Simone, MD*</i>
11:30 AM – 1:00 PM	I8	Dating Traumatic Brain Injury With a Dura Mater Immunohistochemical Assay: An Ongoing Study <i>Marcello Benevento, DM*; Giampiero Bottari, DM; Cristina Caterino, DM; Simona Nicoli, DM; Francesco Carravetta, DM; Antonio Straface, MD; Biagio Solarino, PhD</i>
11:30 AM – 1:00 PM	I9	The Decapitation of a Motorcyclist Wearing a Full-Face Helmet in a Crash Against the Guardrail: A Case Report <i>Laura Panata, MD*; Isabella Mercurio, MD; Michela Ferrara, MD; Massimo Lancia, MD; Mauro Bacci, MD</i>
11:30 AM – 1:00 PM	I10	Forensic Aspects of Overkilling in Femicides: A Comparison of Forensic Case Series <i>Martino Maesani, MD*; Umberto Rosini, MD; Matteo Sacco, MD*; Angelica Zibetti, MD; Carmen Scalise, PhD, MD; Fabrizio Cordasco, MD; Saverio Gualtieri, MD*; Maria Manno, MD; Giulio Pulpito, MD*; Angela Carbone, MD; Roberto Raffaele, BE*; Valerio Aquila, PsyD*; Palmo Tavernese, MD; Pietrantonio Ricci, PhD, MD; Isabella Aquila, PhD, MD*</i>
11:30 AM – 1:00 PM	I11	Intracranial Hemorrhage/Thrombosis in Infancy: Trauma or Not? <i>Kyla Jorgenson, MD, MS*; Zachary Michalick, DM; Jan Gorniak, DO; Andrea Wiens, DO, MS</i>

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11:30 AM – 1:00 PM	I12	Live(r) and Let Die: A Murder Case of a Woman Suffering From Alcoholic Hepatopathy <i>Mirella Sabatino, MD*</i> ; <i>Valeria Prandini, MD</i> ; <i>Domenico De Stradis, MD</i> ; <i>Alessandra Radogna, MD</i> ; <i>Claudia Vignali, MSc</i> ; <i>Luca Morini, PhD</i> ; <i>Gulnaz Javan, PhD</i> ; <i>Silvia Visonà, PhD</i> ; <i>Matteo Moretti, MD</i>
11:30 AM – 1:00 PM	I13	Men as Victims of Intimate Partner Violence: A Ten-Year Retrospective Study <i>Biliana Mileva, MD*</i> ; <i>Mihaela Georgieva, MD</i> ; <i>Martin Angelov, MD</i> ; <i>Kamen Peev, MD</i> ; <i>Ilina Brainova, MD, PhD</i> ; <i>Verzhiniya Stefanova, MD.</i> ; <i>Alexandar Alexandrov, MD, PhD</i> ; <i>Lorenzo Gitto, MD</i> ; <i>Ivan Tsranchev, MD, PhD</i> ; <i>Metodi Goshev, MD, PhD</i>
11:30 AM – 1:00 PM	I14	Necks, Saws, and Video Tape: Using Surveillance Footage to Determine Manner of Death <i>Justin Lohmann, DM*</i> ; <i>Neil Haycocks, MD, PhD</i> ; <i>Amanda Ho, MD</i>
11:30 AM – 1:00 PM	I15	Sharp Force Fatalities: The Application of Bayes' Theorem to Evaluate the Manner of Death <i>Michele D'Aleo, MD*</i> ; <i>Marco Irmici, MD*</i> ; <i>Guido Pelletti, MD*</i> ; <i>Paolo Fais, MD, PhD</i> ; <i>Arianna Giorgetti, MD</i> ; <i>Susi Pelotti, MD</i>
11:30 AM – 1:00 PM	I16	Shotgun Deaths in Maryland: A Ten-Year Review <i>Joseph Mininni, DM*</i> ; <i>Stephanie Dean, MD</i> ; <i>Jack Titus, MD</i>
11:30 AM – 1:00 PM	I17	Astroglial and Microglial Reactions in Fatal Head Injury Decedents: A Survival-Time Correlation Study <i>Meenakshi Sharma, Msc*</i> ; <i>Arulselvi S., MBBS, MD</i> ; <i>Vaishali Suri, MBBS, MD</i> ; <i>Shyam Prakash, PhD</i> ; <i>Purva Mathur, MBBS, MD</i> ; <i>Rajesh Malhotra, MBBS, MS</i> ; <i>Deepak Agrawal, MBBS, MD</i> ; <i>Ravindra Mohan, PhD</i> ; <i>Anupuma Raina, PhD</i> ; <i>Sanjeev Lalwani, MBBS, MD</i>
11:30 AM – 1:00 PM	I18	Bigger Weapons Do Not Kill You More: A Dart Through the Head Is Sometimes Not Enough! <i>Gianmarco Di Palma, MD</i> ; <i>Valeria Prandini, MD</i> ; <i>Mirella Sabatino, MD</i> ; <i>Eugenio Gallotti, MD*</i> ; <i>Gulnaz Javan, PhD</i> ; <i>Silvia Visonà, PhD</i> ; <i>Luisa Andrello, MD, PhD</i> ; <i>Matteo Moretti, MD</i>
11:30 AM – 1:00 PM	I19	Burial at Sea <i>Joseph Curran, MD*</i> ; <i>Darin Trelka, MD, PhD</i>
11:30 AM – 1:00 PM	I20	Decapitation and Crushing by Combine Harvester: An Infernal Machine <i>Eleonora Mezzetti, MD*</i> ; <i>Ilaria Marcacci, MD</i> ; <i>Carla Occhipinti, MD</i> ; <i>Fabio Del Duca, MD</i> ; <i>Aniello Maiese, MD</i>
11:30 AM – 1:00 PM	I21	A Review of Violent and Unnatural Deaths in Which the Manner of Death Is Undetermined <i>Laura Bagwell, MD*</i> ; <i>Erica Curry, MD</i>

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Thursday—Session I

Natural Disease

Moderator: Erin Brooks

Co-Moderator: Sterling McLaren

8:00 AM – 8:15 AM	I22	A New Approach on the Timing of a Dynamic Process: The Pulmonary Thromboembolism <i>Maria Bonasoni, MD*;</i> Paolo Fais, MD, PhD; Linda Torelli, MD; Elisabetta Faedda, MD; Matilde Sassani, MD, PhD; Rossana Cecchi, MD
8:15 AM – 8:30 AM	I23	Certification of Deaths of Persons With Reported Histories of Seizures or Epilepsy <i>Abigail Grande, MPH*;</i> Marcel Castor, MD; Riley Davis, BA; Allison Deemter, MA; Lillian O'Donnell, MA; Amanda Fisher-Hubbard, MD
8:30 AM – 8:45 AM	I24	Neuropathology of Middle Meningeal Artery Embolization for Subdural Hematoma <i>Avneesh Gupta, MD*;</i> Amelia Baxter-Stoltzfus, MD; Edwin Partovi, MD; Rebecca Folkerth, MD
8:45 AM – 9:00 AM	I25	COVID-19-Related Myocarditis: Are We There Yet? <i>Davide Radaelli, MD*;</i> Denny Fuliani, MD; Elio Santangelo, MD; Pier Riccardo Bergamini, MD; Diana Bonuccelli, MD; Stefano D'Errico, MD, PhD
9:00 AM – 9:15 AM	I26	Is It Really a Channelopathy? A Systematic Review of the Alterations Found at Autopsy in Brugada Syndrome <i>Simone Grassi, MS*;</i> Francesca Cazzato, MS; Massimo Zedda, MD; Mònica Coll, PhD; Martina Focardi, MS; Oscar Campuzano, PhD; Ramon Brugada, MD, PhD; Vilma Pinchi, MS; Antonio Oliva, MS, PhD
9:15 AM – 9:30 AM	I27	Subnuclear Renal Tubular Vacuoles in Alcoholics <i>Finn Auld, BMBS*;</i> Jacqueline Parai, MD; Chris Milroy, MD, LLB
9:30 AM – 10:00 AM	I28	Updates in Normal Organ Weights: A Review of 4,000+ Cases From 2009 to 2014 <i>Meagan Chambers, MD, MSc*;</i> Harold Sanchez, MD
10:00 AM – 10:15 AM		BREAK

Injury

Moderator: Gregory Schmunk

Co-Moderator: Lorenzo Gitto

10:15 AM – 10:30 AM	I29	Discordance of Reported History and Diagnosis of Mental Illness in Suicides <i>Nicole Panzica, BS*;</i> Brandi McCleskey, MD
10:30 AM – 10:45 AM	I30	Fatal Injuries in Traffic Accidents: A Retrospective Analysis of 294 Medicolegal Autopsies at the University Hospital of Montpellier <i>Emmanuel Margueritte, MD*;</i> Eric Baccino, MD; Maguette Niang, MD
10:45 AM – 11:00 AM	I31	Fatalities at the Astroworld Music Festival in Houston, Texas <i>Hannah Jarvis, MRCS*;</i> Merrill Hines, MD

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11:00 AM – 11:15 AM	I32	Female Homicide Victims in Cook County, Illinois: A Retrospective Review <i>Lorenzo Gitto, MD*</i> ; <i>Ponni Arunkumar, MD</i>
11:15 AM – 11:30 AM	I33	A Five-Year Retrospective Analysis of On-The-Job Deaths in Shelby County, Tennessee <i>Sarah Troyer, BA*</i> ; <i>Danielle Harrell, DO</i> ; <i>Scott Collier, DM</i>
11:30 AM – 11:45 AM	I34	A Fatal Abdominal Trauma Following a Fall From Height: Trauma Score, Mortality Meeting, and the Forensic Pathologist <i>Siddhartha Das, MBBS, MD*</i>
11:45 AM – 11:30 AM	I35	Injury Pattern in Electric Scooter Accidents: A Case Report <i>Giovanni Aulino, MD*</i> ; <i>Matteo Polacco, MD</i> ; <i>Vincenzo Fattoruso, MD</i> ; <i>Silvia Valentini, MD</i> ; <i>Francesca Cittadini, MD, PhD</i>
11:30 AM – 1:00 PM		BREAK

The Bigger Picture

Moderator: *M.J. Menendez*

Co-Moderator: *Kimberly Johnson*

1:00 PM – 1:15 PM	I36	The Categorization of Autopsies as a Mechanism to Identify Possible Human Rights Violations <i>Eileen Buitrago, MSc*</i> ; <i>Alexander Sabogal, MSc</i>
1:15 PM – 1:30 PM	I37	Mafia Organizations in Italy: Useful Markers in Attributing Murders to Specific Groups <i>Giovanni Gurgoglione, MD*</i> ; <i>Roberta Bibbò, MD*</i> ; <i>Luigi Cipolloni, MD</i> ; <i>Giovanni Pollice, MD</i> ; <i>Diego Moro, MD*</i> ; <i>Giuseppe Bertozzi, MD</i> ; <i>Fabio Mariottini, MD</i>
1:30 PM – 1:45 PM	I38	Identifying Stress Factors and Related Coping Mechanisms Among Forensic Pathologists <i>Danielle Morgan, BS*</i> ; <i>Katelyn Bolhofner, PhD</i>
1:45 PM – 2:00 PM	I39	Strengthening Forensic Pathology Opinions With the Bayesian Approach for Evidence Interpretation: From Theory to Practice <i>Hans De Boer, MD, PhD*</i> ; <i>Judith Fronczek, MD, PhD</i> ; <i>Matthew Lynch, MBBS, LLB</i> ; <i>Charles Berger, PhD</i>
2:00 PM – 2:30 PM	I40	Providing Opinions on the “Degree of Force”: Problems and a Solution <i>Hans De Boer, MD, PhD*</i> ; <i>Charles Berger, PhD</i> ; <i>Soren Blau, PhD</i>
2:30 PM – 2:45 PM	I41	The Impacts of Governing Agencies: A Comparison of Differential Resources in the Medicolegal Death Investigation System Patchwork <i>Kelly Keyes, BS*</i> ; <i>Hope Smiley-McDonald, PhD</i> ; <i>Sean Wire, PhDc</i> ; <i>Crystal Daye, MPA</i> ; <i>Kathryn Greenwell, BA</i> ; <i>Jeri Roper-Miller, PhD</i>
2:45 PM – 3:00 PM	I42	Standards Development Activities in Medicolegal Death Investigation and Forensic Pathology <i>J. Keith Pinckard, MD, PhD*</i>
3:00 PM – 3:15 PM		BREAK

PATHOLOGY/BIOLOGY

New Perspectives

Moderator: Marisa Jacob-Leonce

Co-Moderator: Lorren Jackson

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| 3:15 PM – 3:30 PM | I43 | Postmortem Findings in Three Cases of Vaccine-Induced Death: The Autopsy Role in Vaccine-Induced Thrombotic Thrombocytopenia (VITT) Diagnosis and Comprehension of the Pathophysiology
<i>Chiara Stassi, MD*</i> ; <i>Gennaro Baldino, MD</i> ; <i>Cristina Mondello, MD</i> ; <i>Fabrizio Perri, MD</i> ; <i>Daniela Sapienza, MD</i> ; <i>Alessio Asmundo, MD</i> ; <i>Elvira Ventura Spagnolo, MD*</i> |
| 3:30 PM – 4:00 PM | I44 | Thrombosis Patterns of COVID-19 Vaccine-Induced Thrombotic Thrombocytopenia (VITT): “Order and Method” in Forensic Pathology
<i>Raffaella Vetrini, BS*</i> ; <i>Stefano D’Errico, MD, PhD</i> ; <i>Vittorio Fineschi, MD, PhD</i> ; <i>Costantino Ciallella, MD</i> ; <i>Benedetta Baldari, MD</i> ; <i>Antonello Cirnelli, MD</i> ; <i>Stefano Plizzolitto, MD</i> |
| 4:00 PM – 4:15 PM | I45 | A Multidisciplinary Analysis of Partial Human Remains Found Under the Sea in Venezuela, Investigated With an International Collaboration During the COVID-19 Pandemic
<i>Paola Magni, PhD*</i> ; <i>Iris Carma, MS</i> ; <i>Lisbeth Borjas, MS</i> ; <i>Fanny Díaz, MD</i> ; <i>Marlenis Villarroel, MS</i> ; <i>Edda Guareschi, MD</i> |
| 4:15 PM – 4:45 PM | I46 | The Final Frontier: Human Decomposition in Low Earth Orbit
<i>Sherri Damlo, MS*</i> ; <i>Lerah Sutton, PhD*</i> ; <i>Craig Damlo, MSc</i> |
| 4:45 PM – 5:00 PM | I47 | Unique Medical Identity Card (UMID): The First DNA Database and Identification Portal in India for the Identification of Unidentified Bodies and Missing Persons
<i>Chittaranjan Behera, MD*</i> |

Poster Session

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| 11:30 AM – 1:00 PM | I48 | A Rare Case of Cardiac Tamponade by the Surgical Correction of a Hiatal Hernia
<i>Federica Spina, MD*</i> ; <i>Eleonora Mezzetti, MD</i> ; <i>Julia Lazzari, MD</i> ; <i>Luigi Papi, MD</i> |
| 11:30 AM – 1:00 PM | I49 | An Uncommon Cause of Gastrointestinal Bleeding in the Forensic Setting
<i>Civan Altunkaynak, MD*</i> ; <i>S.E. Presnell, MD</i> ; <i>Emma Hawkins, BS</i> |
| 11:30 AM – 1:00 PM | I50 | Cassette Agitation as a Time-Saving Method to Improve Lung Insufflation and Histology
<i>Catherine Perez, MD*</i> ; <i>Catherine Morris, MD</i> ; <i>Teresa Nguyen, MD</i> ; <i>Omar Rayes, MD</i> ; <i>LokMan Sung, MD</i> |
| 11:30 AM – 1:00 PM | I51 | Congenital Absence of the Left Circumflex Artery in Multiple Myocardial Ischemia: A Case Report
<i>Francesca Capello, MD*</i> ; <i>Marta Moretti, MD*</i> ; <i>Gaetano Maria De Ferrari, MD, PhD</i> ; <i>Giancarlo Di Vella, PhD</i> |
| 11:30 AM – 1:00 PM | I52 | Death From an Unexpected Superior Venous Laceration During the Implantation of a Leadless Intracardiac Pacemaker: The Role of the Forensic Pathologist.
<i>Alessandra Cicchini, MD*</i> ; <i>Camilla Bonci, MD*</i> ; <i>Giancarlo Di Vella, PhD</i> |
| 11:30 AM – 1:00 PM | I53 | A Fatal Massive Hemoperitoneum From a Ruptured Corpus Luteum Cyst
<i>Neil Haycocks, MD, PhD*</i> ; <i>Justin Lohmann, MD</i> ; <i>Erik Christensen, MD</i> |

PATHOLOGY/BIOLOGY

11:30 AM – 1:00 PM	I54	An Intimal Sarcoma of the Abdominal Aorta: An Unexpected Finding Only Possible by Autopsy! <i>Joana Madeira, MS*; Eduardo Coutinho, MS; Rui Almeida, MS; João Fraga, MS; Mário Silva, MD; Maria Augusta Cipriano, MD</i>
11:30 AM – 1:00 PM	I55	Looks Can Be Deceiving: Evaluating Beyond Hepatic Pathology in the Assessment of Chronic Alcoholism <i>Kylila Tucker, BA*; Juliette Scantlebury, MD</i>
11:30 AM – 1:00 PM	I56	The Body in the Mirror: An Autopsy in a Case of Situs Inversus Totalis <i>Martina Padovano, MD; Matteo Scopetti, MD; Tommaso Livieri, MD*; Costantino Ciallella, MD; Federico Manetti, MD; Paola Frati, PhD; Vittorio Fineschi, MD, PhD</i>
11:30 AM – 1:00 PM	I57	The Fulminant Fat Emboli Syndrome: Two Autopsy Case Reports and the Use of Platelet and Fibrinogen Markers <i>Laetitia Leveque, MD*; Elise Arbefeville, MD*; Eric Baccino, PhD; Pierre-Antoine Peyron, MD; Olivia Plé, MD; Aurélie Adriansen, MD</i>
11:30 AM – 1:00 PM	I58	Acute Hemorrhagic Leukoencephalitis Features Associated with COVID-19: A Case Report and Literature Review <i>Jolee Suddock, MD*; Clarissa Krinsky, MD; Heather Jarrell, MD</i>
11:30 AM – 1:00 PM	I59	An Overlook on the Contribution of Postmortem Molecular Biology for the Diagnosis of SARS-CoV-2-Related Systemic Thrombosis as Cause of Death <i>Daniela Sapienza, MD*; Chiara Stassi, MD*; Gennaro Baldino, MD; Cristina Musolino, BS; Teresa Pollicino, MD; Alessio Asmundo, MD</i>
11:30 AM – 1:00 PM	I60	Lymphohistiocytic Myocarditis Following a Messenger RNA (mRNA) -Based COVID-19 Vaccine: A Case Report <i>David Rosenbaum, MD*; Jeffrey Barnard, MD</i>
11:30 AM – 1:00 PM	I61	A Strategy for Effective Collection and Communication of Preliminary Forensic Information <i>Benjamin DePrest*, Lisa Kohler, MD; Kristy Waite, DO; Robert Shott, MD</i>
11:30 AM – 1:00 PM	I62	The Identification Process of an Unidentified Transgender Woman <i>Sonia Kominek, BA*; Ellen Moffatt, MD</i>
11:30 AM – 1:00 PM	I63	An Analysis of Changes in Protein Markers Since the Moment of Death (“Time 0”) for the Estimation of the Early Postmortem Interval (PMI): An Experimental Study <i>Matteo Sacco, MD*; Rocco Turturiello; Natalia Malara, PhD, MD; Saverio Gualtieri, MD*; Santo Gratteri, PhD, MD; Antonio Oliva, MS, PhD; Francesco Ausania, MD, PhD*; Nicola Pigaiani, MD*; Pietrantonio Ricci, PhD, MD; Isabella Aquila, PhD, MD*</i>
11:30 AM – 1:00 PM	I64	WITHDRAWN
11:30 AM – 1:00 PM	I65	A Comparative Use of Aqueous Humor 1H Nuclear Magnetic Resonance (NMR) Metabolomics and Potassium Concentration for Postmortem Interval (PMI) Estimation in an Animal Model <i>Alberto Chighine, MD*; Emanuela Locci, BS; Matteo Nioi, MD; Fabio De-Giorgio, MD; Roberto Demontis, MD; Rossella Gottardo, BS; Franco Tagliaro, MD; Ernesto d’Aloja, MD</i>
11:30 AM – 1:00 PM	I66	Metabolomics Improves the Histopathological Diagnosis of Asphyxial Deaths: An Animal Proof-of-Concept Model <i>Alberto Chighine, MD*; Matteo Nioi, MD; Giulio Ferino, BS; Fabio De-Giorgio, MD; Ernesto d’Aloja, MD; Emanuela Locci, BS</i>

PATHOLOGY/BIOLOGY

11:30 AM – 1:00 PM	I67	Delayed Colonization of Concealed Carrion in a Laboratory Study <i>Jodie-A Warren, PhD*</i>
11:30 AM – 1:00 PM	I68	Evaluating Storage Solutions for Entomological Gene Expression Work to Better Coincide With Common Practices for Entomological Evidence <i>Joshua Smith, PhD*</i>
11:30 AM – 1:00 PM	I69	First Survey of Forensically Relevant Diptera in the Republic of the Gambia <i>Peter Dampha, BS*</i>
11:30 AM – 1:00 PM	I70	Forensically Important Insects Collected From Human Bodies in New Jersey <i>Denise Gemmellaro, PhD*</i> ; <i>Gloria Raise*, BS</i> ; <i>Amanda Joy O'Connor, BS</i> ; <i>Jessica Harlow, BA</i> ; <i>Reagan McRae, BS</i> ; <i>Andrew Falzon, MD</i>

Thursday—Session II

Multidisciplinary Session: Pathology/Biology and Toxicology

Moderator: Tracy Halvorson

Co-Moderator: Kristin Kahl

1:00 PM – 1:15 PM	L46	An Unusual Case of Misrepresented Cocaine Powder That Resulted in Fatal and Non-Fatal Intoxications Involving the Novel Synthetic Opioid Etodesnitazene <i>Alex Krotulski, PhD*</i> ; <i>Stephany Fiore, MD</i> ; <i>Daniel Anderson, MS</i> ; <i>Sara Walton, MS</i> ; <i>Brianna Peterson, PhD</i> ; <i>Donna Papsun, MS</i> ; <i>Joshua DeBord, PhD</i> ; <i>Barry Logan, PhD</i>
1:15 PM – 1:30 PM	L47	I Believe I Can Fly: Hallucinogenic/Psychedelic Drugs Found in Fall-From-Height Cases in Miami-Dade County, Florida <i>Marissa Finkelstein, MS*</i> ; <i>George Hime, MS</i> ; <i>Diane Boland, PhD</i>
1:30 PM – 1:45 PM	L48	Synthetic Cannabinoids Adulterated With Brodifacoum—Part II: The Florida Experience <i>Robert Middleberg, PhD*</i> ; <i>Justin Arnold, DO, MPH</i> ; <i>Alexandra Funk, PharmD</i>
1:45 PM – 2:00 PM	L49	Adverse Effects of Veterinary Pharmaceuticals as Toxic Adulterating Agents in Illicit Drug Deaths <i>Barry Logan, PhD*</i> ; <i>Alex Krotulski, PhD</i> ; <i>Amanda Mohr, MS</i> ; <i>Thom Browne, Jr., MA</i>
2:00 PM – 2:15 PM	L50	A Compilation of Postmortem Vitreous Fluid Data for Pediatric Cases <i>Breanne Vance, BA*</i> ; <i>Kari Midthun, PhD</i> ; <i>Jennifer Swatek, MS</i> ; <i>Fabio Oldoni, PhD</i>
2:15 PM – 2:30 PM	L51	Postmortem Formation of Ethanol: Is N-Propanol a Reliable Marker? A Proof-of-Concept Study Using a Real-Environment Experimental Set-Up <i>Nicola Pigaiani, MD*</i> ; <i>Giacomo Musile, PhD</i> ; <i>Francesco Ausania, MD, PhD</i> ; <i>Daniel Dye, MD</i> ; <i>Gregory Davis, MD</i> ; <i>Franco Tagliaro, MD</i> ; <i>Antonio Oliva, MD, PhD</i> ; <i>Federica Bortolotti, PhD</i>
2:30 PM – 2:45 PM	L52	A Quantitative Analysis of Fentanyl and Major Metabolites From Empty Puparia and Adult Blow Flies Via QuEChERS Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) Analysis <i>Joseph Cox, PhD*</i> ; <i>Katherine Davis, BS</i> ; <i>Rachel Mohr, PhD</i> ; <i>Joseph DelTondo, DO</i> ; <i>Luis Arroyo, PhD</i>
2:45 PM – 3:00 PM	L53	Toxicology Laboratory Findings From the 2018 Census of Medical Examiner and Coroner Offices <i>Jeri Ropero-Miller, PhD*</i> ; <i>Hope Smiley-McDonald, PhD</i> ; <i>Katherine Bollinger, MS</i>

PATHOLOGY/BIOLOGY

3:00 PM – 3:15 PM

BREAK

Moderator: Marissa Finkelstein

Co-Moderator: Susan Ely

3:15 PM – 3:30 PM

I71

An Alleged Patricide by Americium-241 Poisoning

*Wendy Gunther, MD**

3:30 PM – 3:45 PM

I72

**Fatal Butane Acute Intoxication in Custody—Pitfalls and Recommendations:
An Analysis of Six Cases**

Michela Peruch, BS; Luigi Cipolloni, MD; Stefania De Simone, MD; Maria Chiara David, PhD;
Monica Concato, BS; Martina Zanon, BS; Riccardo Addobbati, BS*

3:45 PM – 4:00 PM

I73

**Death as a Consequence of Cardiorespiratory Arrest Caused by a Cocaine-Induced
Generalized Seizure: Toxicological Data in a Case Report**

Isabella Mercurio, MD; Laura Panata, MD; Michela Ferrara, MD; Mauro Bacci, MD;
Cristina Gambelunghe, MD; Massimo Lancia, MD*

4:00 PM – 4:15 PM

I74

Sodium Nitrite Poisoning: A Case Series of an Emerging Suicide Mechanism

Ethan Blocher-Smith, MS, DO; Elizabeth Douglas, MD; Joseph Prahlow, MD*

4:15 PM – 4:30 PM

I75

**The Use of Over-the-Counter Tests to Detect Pregnancy in Postmortem Urine and
Vitreous Fluid**

Marianne Hamel, MD, PhD; Andrew Falzon, DM*

Friday—Session I

2023 Jay Dix Lecture Series

Moderator: Michael Graham

9:00 AM – 9:10 AM

I76

Jay Dix Memorial Bonus Day Introduction

Joseph A. Prahlow, MD; Andrew M. Baker, MD*; James R. Gill, MD*; Susan F. Ely, MD*;
Joyce L. deJong, DO**

9:10 AM – 10:00 AM

I76

Deaths Due to the Environment

*Joseph A. Prahlow, MD**

10:00 AM – 10:15 AM

BREAK

10:15 AM – 11:05 AM

I76

Firearms Injuries

*Andrew M. Baker, MD**

11:05 AM – 12:00 PM

I76

Blunt Force Injuries

*James R. Gill, MD**

12:00 PM – 2:00 PM

BREAK

2:00 PM – 2:50 PM

I76

Sudden Unexpected Deaths in Adults

*Susan F. Ely, MD**

2:50 PM – 3:05 PM

BREAK

3:05 PM – 3:55 PM

I76

Deaths Associated With Sports and Recreation

*Joyce L. deJong, DO**

PATHOLOGY/BIOLOGY

Friday—Session II

Forensic Entomology

Moderator: Casey Flint

Co-Moderator: Owen Middleton

8:00 AM – 8:15 AM	177	A Non-Destructive DNA Extraction Technique for Application on Insect Puparia (Diptera: Calliphoridae) <i>Sydnee Wedel, BSc; Jonathan Parrott, PhD*</i>
8:15 AM – 8:30 AM	178	The American Board of Forensic Entomology-Certified Workshops: How Collaborative Efforts Between Researchers, Practitioners, and Professionals Continue to Refine and Strengthen the Discipline <i>Jennifer Rhinesmith-Carranza, DPhil*; Casey Flint, DPhil; Jeffery Tomberlin, PhD</i>
8:30 AM – 8:45 AM	179	An Overview of the Decomposition Process During North Dakota Extreme Winter Temperatures <i>Lavinia Iancu, PhD*</i>
8:45 AM – 9:00 AM	180	An Analysis of the Decomposition Process in Two Restricted-Access Environments in a Temperate Climate: Suitcases Versus Wheeled Bins <i>Hannah Andrews, MSc; Ian Dadour, PhD; Paola Magni, PhD*</i>
9:00 AM – 9:15 AM	181	Decomposition in the Desert: An Analysis of Initial Insect Activity on Swine Remains <i>Lauren Weidner, PhD*</i>
9:15 AM – 9:30 AM	182	Impacts of Climate Change in Forensic Entomology Casework <i>Michelle Sanford, MS, PhD*</i>
9:30 AM – 9:45 AM	183	Generating Fluorescent Blow Fly Strains to Aid in the Validation of Postmortem Interval Estimates <i>Amber MacInnis, MS*; Andre Luis da Costa da Silva, PhD; Anthony Bellantuono, PhD; Matthew DeGennaro, PhD; Jeffrey Wells, PhD</i>
9:45 AM – 10:00 AM	184	The Impact of Temperature and Diet on the Development of the House Fly, <i>Musca Domestica</i> (Linnaeus) (Diptera: Muscidae) <i>Casey Flint, DPhil*; Jennifer Rhinesmith-Carranza, DPhil; Riley Bell, BS; Jeffery Tomberlin, PhD</i>
10:00 AM – 10:15 AM		BREAK

Forensic Entomology and the Microbiome

Moderator: Lavinia Iancu

Co-Moderator: Jennifer Rhinesmith-Carranza

10:15 AM – 10:30 AM	185	The Influence of Biomass and Bisection of Remains on the Production of Necrophagous Flies <i>Samantha Sawyer, PhD*</i>
10:30 AM – 10:45 AM	186	The Effect of Plastic Bags on Decomposition and Necrophagous Fly Composition <i>Kristi Bugajski, PhD*</i>
10:45 AM – 11:00 AM	187	Cadaver Microbial Signatures of the Submandibular Glands and Thyroid for Forensic Investigations <i>Sheree Finley, PhD*; Matteo Moretti, MD; Silvia Visonà, PhD; Gulnaz Javan, PhD*</i>

*Presenting Author

PATHOLOGY/BIOLOGY

11:00 AM – 11:15 AM	188	Current Challenges in Protein Degradation-Based Postmortem Interval (PMI) Estimation <i>Stefan Pittner, PhD*</i> ; <i>Fabio Monticelli, PhD</i>
11:15 AM – 11:30 AM	189	First Observations on the Environmental Impact of Terrestrial Body Decomposition Within a Canadian Continental, Humid (Dfb) Climate <i>Emily Pecci, BSc*</i> ; <i>Shari Forbes, PhD</i> ; <i>Francois Guillemette, PhD</i>
11:30 AM – 11:45 AM	190	Metabolite Profiles and Expressed Microbial Metabolic Pathways in Human Decomposition-Impacted Soils <i>Jennifer Baer, MS</i> ; <i>Lois Taylor, PhD*</i> ; <i>Neal Stewart, PhD</i> ; <i>Amy Mundorff, PhD</i> ; <i>Dawnie Steadman, PhD</i> ; <i>Jennifer DeBruyn, PhD</i>
11:45 AM – 12:00 PM	191	COVID-19 and Brain-Heart-Lung Crosstalk in the Cadaver Microbiome <i>Gulnaz Javan, PhD*</i> ; <i>Sheree Finley, PhD</i> ; <i>Matteo Moretti, MD</i> ; <i>Silvia Visonà, PhD</i>
12:00 PM – 1:00 PM		BREAK

Postmortem Imaging

Moderator: *Jim Caruso*

Co-Moderator: *Candace Schoppe*

1:00 PM – 1:30 PM	192	Forensic Imaging Curriculum at a State-Wide Medical Investigator's Office: The New Mexico Experience <i>Jamie Elifritz, MD*</i> ; <i>Lauren Decker, MD</i> ; <i>Heather Jarrell, MD</i> ; <i>Natalie Adolphi, PhD</i> ; <i>Clarissa Krinsky, MD</i> ; <i>Jolee T. Suddock, DO</i> ; <i>Michael Harrell, MD</i> ; <i>Aidan Kerr, MD</i> ; <i>Brittany DePasquale, MD</i> ; <i>Harley Schainost, MD</i> ; <i>Kimberly Johnson, MD</i> ; <i>Natalie Taylor, MD</i> ; <i>Kethery Haber, MD</i>
1:30 PM – 1:45 PM	193	Micro-Computed Radiological Analysis of Traumatic vs. Iatrogenic Rib Fractures <i>Giorgia Franchetti, MD*</i> ; <i>Simone Protani, MD</i> ; <i>Ludovico Fava, MD</i> ; <i>Paolo Fais, MD, PhD</i> ; <i>Barbara Bonvicini, MD</i> ; <i>Chiara Giraudo, MD, PhD</i> ; <i>Guido Viel, MD, PhD</i> ; <i>Giovanni Cecchetto, MD, PhD</i>
1:45 PM – 2:00 PM	194	Playing With Fire: The Value and Pitfalls of Postmortem Computed Tomography (PMCT) for the Forensic Investigation of Burnt Bodies <i>Antonio Oliva, MD, PhD</i> ; <i>Simone Grassi, MD</i> ; <i>Massimo Zedda, MD*</i> ; <i>Federica Maiolatesi, MD</i> ; <i>Valentina Masini, MSc</i> ; <i>Carlotta Amatucci, MD</i> ; <i>Beatrice Defraia, MD</i> ; <i>Rossella Grifoni, MD</i> ; <i>Matteo Polacco, MD</i> ; <i>Martina Focardi, MD</i> ; <i>Laura Filograna, MD</i> ; <i>Vilma Pinchi, PhD</i>
2:00 PM – 2:15 PM	195	WITHDRAWN
2:15 PM – 2:30 PM	196	A Pilot Study to Investigate If and How Postmortem Micro-Computed Tomography (Micro-CT) Can Be Used to Differentiate Stillbirths From Livebirths <i>Francesco Lupariello, MD*</i> ; <i>Federica Mirri, MD</i> ; <i>Tullio Genova, PhD</i> ; <i>Federico Mussano, PhD</i> ; <i>Giovanni Botta, MD</i> ; <i>Giancarlo Di Vella, PhD</i>
2:30 PM – 3:00 PM	197	Cold Eyes: Postmortem Iris Recognition Under Autopsy Procedures <i>Jordan Reining, BS*</i> ; <i>Kathryn Seigfried-Spellar, PhD</i> ; <i>Stephen Elliott, PhD</i> ; <i>Kevin O'Connor, MS</i>
3:00 PM – 3:15 PM		BREAK

PATHOLOGY/BIOLOGY

Pediatric Mortality and Molecular Studies

Moderator: Stephanie Yagi

Co-Moderator: Dan Schultz

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| 3:15 PM – 3:30 PM | I98 | Cardiac Genetic Background in Sudden Infant Death Syndrome (SIDS): Is It a Matter of Structure or Electrical Conduction?
<i>Francesca Cazzato, MD*</i> ; <i>Simone Grassi, MD</i> ; <i>Mònica Coll, PhD</i> ; <i>Ramon Brugada, MD</i> ; <i>Antonio Oliva, MD, PhD</i> |
| 3:30 PM – 3:45 PM | I99 | A Case of Renal Failure Secondary to Rhabdomyolysis in an Infant
<i>Amanda Saunders, BS*</i> ; <i>Sarah Avedschmidt, MD</i> |
| 3:45 PM – 4:15 PM | I100 | An Infant Death Due to COVID-19 Infection With Recovery and Survival of a Twin Sibling: A Comparison of Autopsy and Histologic Findings in Pediatric and Adult Cases and a Review of the Surviving Twin's Course
<i>Jennifer Ross, MD*</i> ; <i>Arezo Nasrazadani, MD</i> ; <i>Michelle Ruda, MD</i> |
| 4:15 PM – 4:45 PM | I101 | Postmortem Genetic Testing in Sudden Unexplained Death: A Public Health Laboratory Experience
<i>Charles Rohrer, MD*</i> ; <i>Angela Lager, PhD</i> ; <i>Erin Brooks, MD</i> ; <i>Vanessa Horner, PhD</i> |
| 4:45 PM – 5:00 PM | I102 | The Role of Myocardial Biomarkers in Sudden Cardiac Death: Forensic Utility
<i>Vincenzo Ritorto, MD*</i> ; <i>Matteo Sacco, MD*</i> ; <i>Fabrizio Cordasco, MD</i> ; <i>Carmen Scalise, PhD, MD</i> ; <i>Angelica Zibetti, MD</i> ; <i>Martino Maesani, MD</i> ; <i>Umberto Rosini, MD</i> ; <i>Maria Manno, MD</i> ; <i>Pietrantonio Ricci, PhD, MD</i> ; <i>Isabella Aquila, PhD, MD*</i> |

Poster Session

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| 11:30 AM – 1:00 PM | I103 | An Unusual Case of Self-Poisoning With Sodium Nitrite in an Asthmatic Patient
<i>Isabella Caristo, MD*</i> ; <i>Brenda Briasco, MD</i> ; <i>Ilaria Grasso, MD</i> ; <i>Francesco Ventura, MD, PhD</i> |
| 11:30 AM – 1:00 PM | I104 | Dying From an Antidote: A Case of Intravenous Lipid Emulsion Overdose in a Suspected Anesthetic Intoxication
<i>Ilaria Marcacci, MD*</i> ; <i>Carla Occhipinti, MD</i> ; <i>Federica Spina, MD</i> ; <i>Andrea Scatena, MD</i> ; <i>Marco Di Paolo, MD</i> |
| 11:30 AM – 1:00 PM | I105 | Herbicide, Fungicide, Suicide: A Case of Glyphosate and Lime Sulfur (Calcium Polysulfide) Poisoning
<i>Neil Haycocks, MD, PhD*</i> ; <i>Justin Lohmann, MD</i> ; <i>Erik Christensen, MD</i> |
| 11:30 AM – 1:00 PM | I106 | A Homicidal Poisoning Disguised by Drowning: How Stomach Content Analysis Helped to Solve the Mystery
<i>Eduardo Coutinho, MD*</i> ; <i>Sara Adriazola, MD</i> ; <i>Ricardo Mendonca, MD</i> ; <i>João Pinheiro, MD</i> |
| 11:30 AM – 1:00 PM | I107 | A Homicidal Poisoning With Amlodipine
<i>Federica Spina, MD*</i> ; <i>Andrea Scatena, MD</i> ; <i>Arianna Baronti, MD</i> ; <i>Andrea Costantino, MD</i> ; <i>Luigi Papi, MD</i> ; <i>Silvio Chericoni, PhD</i> ; <i>Fabio Stefanelli, PhD</i> |
| 11:30 AM – 1:00 PM | I108 | WITHDRAWN |
| 11:30 AM – 1:00 PM | I109 | Metformin Fatal Intoxication: Suicide or Accident?
<i>Giacomo Visi, MD*</i> ; <i>Federica Spina, MD</i> ; <i>Eleonora Mezzetti, MD</i> ; <i>Luigi Papi, MD</i> ; <i>Fabio Stefanelli, PhD</i> ; <i>Silvio Chericoni, PhD*</i> |

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11:30 AM – 1:00 PM	I110	Morphine Toxicity on Endothelial Differentiation of Vascular Mesenchymal Stromal Cells <i>Maria Carla Mazzotti, MD; Guido Pelletti, MD*; Arianna Giorgetti, MD*; Paolo Fais, MD, PhD; Susi Pelotti, MD</i>
11:30 AM – 1:00 PM	I111	Sudden Death Due to Methamphetamine-Associated Pulmonary Hypertension: A Case Report <i>Rasmey Thach, DO*</i>
11:30 AM – 1:00 PM	I112	The Role of Carbon Dioxide in Death Related to Must Exhalations: Case Scenarios and Toxicological Results in Comparison <i>Matteo Sacco, MD*; Carmen Scalise, PhD, MD; Fabrizio Cordasco, MD; Saverio Gualtieri, MD*; Maria Manno, MD; Martino Maesani, MD; Umberto Rosini, MD; Angelica Zibetti, MD; Pietrantonio Ricci, PhD, MD; Isabella Aquila, PhD, MD*</i>
11:30 AM – 1:00 PM	I113	Unravelling the Mechanism of Death Through Urine Metabolome Analysis: An Infant Methadone Intoxication <i>Alberto Chighine, MD*; Matteo Nioi, MD; Giulio Ferino, PhD; Emanuela Locci, PhD; Ernesto d'Aloja, MD</i>
11:30 AM – 1:00 PM	I114	A Hepatic Hemangiosarcoma Presumed by Imaging as a Hemangioma: A Case Report and Literature Review <i>Lance Truong, DO*; Yigit Baykara, MD; Sean Hacking, MB, BCh; Ayesha Siddique, MD; Priya Banerjee, MD</i>
11:30 AM – 1:00 PM	I115	Postmortem Magnetic Resonance Imaging and Forensic Pathology: An Ever-Closer Relationship <i>Giuseppe Bertozzi, MD*; Francesco Pio Cafarelli, MD; Fabio Mariottini, MD; Michela Ferrara, MD*; Valentina Milone, MD; Maria Antonella Bosco, MD; Francesco Carpano, MD; Raffaele La Russa, MD</i>
11:30 AM – 1:00 PM	I116	The Use of Hand-Held Scanners in Forensic Traumatology <i>Jacopo Agnolucci, MD*; Francesco Angiola, MD; Enrica Callegari, MD; Enrico Mazzobel, MD; Tommaso Livieri, MD; Paolo Fais, MD, PhD; Arianna Giorgetti, MD; Giovanni Cecchetto, MD, PhD; Guido Viel, MD, PhD</i>
11:30 AM – 1:00 PM	I117	Coronary Myointimal Hyperplasia: A Rare Cause of Sudden Young Death <i>Mariagrazia Calvano, MD*; Sara Sablone, MD; Federica Mele, MD; Mirko Leonardelli, MD; Enrica Macorano, MD; Stefano Duma, MD; Giovanni De Gabriele, MD; Francesco Introna, MD</i>
11:30 AM – 1:00 PM	I118	Elder Abuse in Europe's "Most Elderly City": A Ten-Year Report (2010 – 2019) <i>Martina Drommi, MD*; Francesco Ventura, MD, PhD; Andrea Molinelli, MD, PhD</i>
11:30 AM – 1:00 PM	I119	An Epidemiology Analysis of a Medical-Legal Investigation of Child and Adolescent Fatalities in Taiwan <i>Chang Jui-An, MS*; Chen Hsiao-Ting, BS; Tsai Theodore; Shaw Kai-Ping, PhD; Hsu Cho-Hsien, MD</i>
11:30 AM – 1:00 PM	I120	Extreme Shortness of the Umbilical Cord: A Case Report <i>ilena Russo, MD*; Andreana N.M. Maglitto, MD*; Giuliana Pennisi, MD; Salvatore Iannuzzi, MD; Pietro Mazzeo, MD; Monica Salerno, MD, PhD</i>
11:30 AM – 1:00 PM	I121	Fatal Fistulas: A Case Report of Fatal Button Battery Ingestion in a 13-Month-Old With a Literature Review <i>Romana Mayer, MD*; Michelle DiMarco, MD; Rachel Geller, MD</i>

PATHOLOGY/BIOLOGY

11:30 AM – 1:00 PM	I122	Juvenile Suicide Trends: A Comparative Analysis of Factors Surrounding Georgia's Child and Teen Deaths <i>Cody Archer, BS*</i> ; <i>Samantha Mattox, DO</i> ; <i>Elizabeth Andrews, BS</i> ; <i>John Carter, PhD, MPH</i> ; <i>Natasha Grandhi, MD</i>
11:30 AM – 1:00 PM	I123	Kennel Cough: A Case of a Lethal Bordetella Bronchiseptica Infection in an Infant <i>Simmi Patel, MD*</i> ; <i>Todd Luckasevic, DO</i>
11:30 AM – 1:00 PM	I124	Neonatal Pulmonary Hemorrhage: A Hazardous Disease <i>Paola Santoro, MD*</i> ; <i>Fabio Del Duca, MD</i> ; <i>Gianpietro Volonnino, MD</i> ; <i>Ilaria Marcacci, MD</i> ; <i>Alessandra De Matteis, MD</i> ; <i>Aniello Maiese, MD</i>
11:30 AM – 1:00 PM	I125	An Unexpected Pulmonary Embolism in an Adolescent: A Case Report and Literature Review <i>Bradley Conlin, BS, MS*</i> ; <i>Merete Lund, BS*</i> ; <i>Nicole Masian, MD</i> ; <i>Wendy Gunther, MD</i>