

Wednesday

Poster Session

11:30 a.m. – 1:00 p.m.

- H1 A Triple “Suicide Pact”: A Case Report With a Review of the Literature**
*Matteo Cecchetti, MD**; *Ilaria Tarozzi, MD*; *Silvia Raddi, MD*; *Silvio Chericoni, PhD*; *Sara Bortolini, PhD*; *Valentina Bugelli, PhD*
- H2 A Reconstruction of Events, Including a Self-Inflicted Gunshot Wound, Leading to a Fatal Motor Vehicle Collision**
*Molly House, DO**; *Wendy M. Gunther, MD*
- H3 Takayasu Arteritis Involving Coronary Arteries in a Young Black Male: A Case Report and Literature Review**
*John Hu, MD, PhD**
- H4 A Fuel Tank Injury In a Fatal Motorcycle Accident**
*Gianluca Rossi, MD**; *Giancarlo Di Vella, MD, PhD*; *Marta Moretti, MD*; *Lucia Tattoli, PhD*
- H5 What Causes the Triad in Diagnosed Abusive Head Trauma (AHT)? Is It the Shaking?**
*Thomas Young, MD**
- H6 The Forensic Medicolegal System in Qatar**
*Khalid BinMarzook, BSc**
- H7 Railway Fatalities: A Retrospective Analysis of 21 Years**
*Christina R. Shreve, BS**; *Mario A. Rascon, MD, MHCM*; *Lorenzo Gitto, MD*
- H8 Pitfalls in Postmortem Computed Tomography**
*Angela Baldwin, MD, MPH**; *Stacia Semple, MD*
- H9 Disseminated Coccidioidomycosis in the Human Skeleton**
*Laura C. Fulginiti, PhD**; *Zachary Michalicek, DO*; *Andrew C. Seidel, PhD**; *Katelyn L. Bolhofner, PhD**; *Caroline L. Cross, MD*
- H10 Scuba Diving Fatalities: A Case Report of a Death Due to a Massive Air Embolism**
*Valentina Bugelli, PhD, MD**; *Silvia Raddi, MD*; *Matteo Cecchetti, MD*; *Ilaria Tarozzi, MD*; *Lorenzo Franceschetti, MD*; *Gianfranco Simonini, MD*; *Davide Machado, MD*
- H11 FVIII Expression to Differentiate Vital Hemorrhages From Postmortem Artifacts**
*Giuseppe Bertozzi, MD**; *Michela Ferrara, MD*; *Giovanni Pollice, MD*; *Stefania De Simone, MD*; *Santina Cantatore*; *Luigi Cipolloni, MD, PhD*; *Raffaele La Russa, MD, PhD*
- H12 Sudden Death After Contrast Media Administration—Not Always Anaphylaxis: A Workflow for Diagnosis**
*Fabio Innocenzi, MD**; *Marta Moretti, MD*; *Chiara Pitino, MD*; *Daniele Tota, MD*; *Donatella Pacchioni, MD*; *Giancarlo Di Vella, MD*

- H13 Evaluating Trends and Demographics of Accidental Drug Deaths in Harris County, Texas, From 2016 to 2020**
Varsha Podduturi, MD; Namrata Walia, MD, MHA; Daryl Shorter, MD*
- H14 An Unexpected and Rare Cause of Child Death: A Large Obstructing Fecaloma**
Stefania De Simone, DM; Elena Giacani, DM; Maria Antonella Bosco, DM; Giovanni Gurgoglione, DM; Michela Ferrara, DM; Luigi Cipolloni, DM*
- H15 Streptococcal Toxic Shock Syndrome: A Cautionary Tale**
Meredith Reynolds, MD; Pouya Jamshidi, MD; James Bellis, MS; Nicole Jackson, MD, MPH; Michael Eckhardt, MD; Pauline Chou, MD*
- H16 Air Embolism: An Important Autopsy Finding in Fatal Gunshot Wounds of the Head**
Xin Zhang, MD; Michael D. Eckhardt, MD; Benjamin J. Soriano, MD*
- H17 Anomalous Ligature Materials and Means in Hangings: A Report of Ten Cases**
Maria Antonella Bosco, MD; Giovanni Gurgoglione, MD; Elena Giacani, MD; Giovanni Pollice, MD; Michela Ferrara, MD; Benedetta Baldari, MD; Giuseppe Bertozzi, MD*
- H18 The Use of Forensic Radiology in the Assessment of the Emergency Department Presentation of Near-Hanging Victims in the United Kingdom**
Sarah A. Gaier, MSc; Curtis Edward Offiah, MD; Nikolas P. Lemos, PhD*
- H19 Wound Vitality and the Estimation of Wound-Age Production: New Frontiers Through Immunohistochemistry Investigation**
Michela Ferrara, MD; Stefania De Simone, MD; Giovanni Pollice, MD; Giuseppe Bertozzi, MD; Santina Cantatore; Raffaele La Russa, MD, PhD; Luigi Cipolloni, MD, PhD*
- H20 A Forensic Approach to an Italian Mass Disaster: The Collapse of the Morandi Bridge**
Francesca Frigiolini, MD; Camilla Tettamanti, MD, PhD; Davide Bedocchi, MD; Fiorella Caputo, MD; Martina Drommi, MD; Sara Lo Pinto, MD; Anna Roncallo, MD; Francesco De Stefano, MD, PhD; Francesco Ventura, MD, PhD*
- H21 The Death of a Professional Scuba Diver Due to Gas Embolism: An Autopsy Case**
Cemyigit Deveci, MD; Mehmet Atilgan, MD; İbrahim Demir, MD; K. Aylin Aksoy, MD*
- H22 An Anomalous Origin of Left Coronary Artery With Retro-Aortic Course and Sudden Cardiac Death**
Paolo Fais, PhD; Clara Fiorentini, PhD; Gabriele Bronzetti, PhD; Arianna Giorgetti, PhD; Guido Pelletti, PhD; Ornella Leone, PhD; Susi Pelotti*
- H23 Things Are Never What They Seem—A Fatal Injection in a Drug Abuser: Hemorrhagic Shock, Pulmonary Embolism, Fulminant Sepsis, Acute Methadone Poisoning, or Medical Liability? A Case Report**
Maria Silvestre, MD; Serena Corradi, MD, PhD; Andrea Marzullo, PhD; Lucia Aventaggiato, PhD, MD; Alessandro Dell'Erba, MD, PhD; Biagio Solarino, MD; Davide Ferorelli*
- H24 Sudden and Unexpected Death After an Induced Abortion: Medical Responsibility or a Hidden Cause?**
Francesco Lupariello, MD; Federica Mirri, MD; Fabio Innocenzi, MD; Alessandro Gabriele, MD; Giancarlo Di Vella, MD, PhD*

- H25 The Walking Dead: A Strange Case of Falls From a Staircase**
Mauro Ciavarella;* *Natascha Pascale;* *Valeria Bruno;* *Maurizio Scarpa;* *Aldo Di Fazio*
- H26 Suicides by Barbiturate Intoxication**
Joy O. Edegbe, MD;* *Tiffany A. Hollenbeck, DO*
- H27 An Extremely Rare Case of Hemorrhagic Shock Caused by an Early Post-Implant Saphenous Vein Graft Pseudoaneurysm Rupture**
Eleonora Mezzetti, MD;* *Alessandra De Matteis, MD;* *Andrea Scatena, MD;* *Andrea Costantino, MD;* *Arianna Baronti, MD;* *Lavinia Pellegrini, MD;* *Alice Chiara Manetti, MD*
- H28 “She Don’t Lie, She Don’t Lie, She Don’t Lie—Cocaine!” Homicide, Suicide, or Accident? The Unresolved Question About Drug-Related Deaths**
Michele Telegrafo, MD;* *Alessandro Dell’Erba, MD;* *Enrica Macorano, MD;* *Maurizio Mastrapasqua, MD;* *Francesco Carravetta, MD;* *Federica Misceo, MD;* *Maria Silvestre, MD;* *Serena Corradi, MD;* *Roberto Maselli, MD;* *Lorenzo Spagnolo, MD;* *Sara Sablone*
- H29 Another Case of Femicide? No, That’s Another Case of Underlying Sudden Unexpected Death in Epilepsy (SUDEP)**
Natascha Pascale, MD, PhD;* *Mauro Ciavarella, MD;* *Maurizio Scarpa, MD;* *Aldo Di Fazio, MD*
- H30 The “Pathologic” Mother-Son Bond: An Unusual Case of Matricide With “Overkill”**
Cristina Mondello MD, PhD;* *Gennaro Baldino, MD;* *Chiara Stassi, MD;* *Cataldo Raffino, MD;* *Alessio Asmundo, MD;* *Elvira Ventura Spagnolo, MD, PhD*
- H31 Charred Bodies: Homicidal, Suicidal, or Accidental Death? A Case Series**
Chiara Stassi, MD;* *Chira Rizzo, MD;* *Gennaro Baldino, MD;* *Martina Ciriminna, MD;* *Jurij De Francisci, MD;* *Cristina Mondello, MD;* *Antonio Micali, MD;* *Cataldo Raffino, MD;* *Alessio Asmundo, MD;* *Elvira Ventura Spagnolo, MD*
- H32 The Immunofluorescence Survey and the Persistence of SARS-CoV-2 After Death**
Isabella Aquila, MD, PhD;* *Matteo Antonio Sacco, MD;* *Maria Manno, MD;* *Pietrantonio Ricci, MD, PhD*
- H33 Hepatodiaphragmatic Interposition of the Colon: Radiological Evidence and Autopsy Findings in a Case of Chilaiditi Syndrome**
Martina Padovano, MD;* *Federico Manetti, MD;* *Matteo Scopetti, MD;* *Alessandro Santurro, MD;* *Paola Frati, PhD;* *Vittorio Fineschi, PhD, MD*
- H34 Rare Congenital Diseases and Infant Deaths: Postmortem Investigations of a Case of Fraser Syndrome**
Federico Manetti, MD;* *Martina Padovano, MD;* *Matteo Scopetti, MD;* *Alessandro Santurro, MD;* *Paola Frati, PhD;* *Vittorio Fineschi, PhD, MD*
- H35 The Role of Superstitions in Sexual Assault: A Case Discussion**
*Sarah Al Hinnawi, MD**

Thursday—Session I

Tools of the Trade

Moderator:

Erin G. Brooks, MD
University of Wisconsin Hospital and Clinics
Madison, WI

Co-Moderator:

Mirra Chinta
University of Washington
Seattle, WA

- 8:30 a.m. - 8:45 a.m. **H36** **Standards Development Activities in Forensic Medicine**
Jason M. Wiersema, PhD; Keith Pinckard, MD, PhD*
- 8:45 a.m. – 9:00 a.m. **H37** **Standards Development Activities in Wildlife Forensic Biology**
*Kimberly Frazier, MS**
- 9:00 a.m. – 9:15 a.m. **H38** **Professionals of the Medicolegal Death Investigation Workforce—The State of the Talent Pipeline**
Jeri Roper-Miller, PhD; Hope Smiley-McDonald, PhD; Crystal Daye, MPA; Kelly Keyes, BS; Connor Brooks, MSc*
- 9:15 a.m. – 9:30 a.m. **H39** **Addressing the Future of Forensic Pathology in the Caribbean: The Need for Mentorship Among Caribbean Medical Students**
Ann-Marie Ming, BMedSc; Catherine Morris, MD; Alfredo Walker, MBBS*
- 9:30 a.m.— 9:45 a.m. **H40** **The Utilization of Blood Smears and Flow Cytometry to Diagnose Hematologic Malignancies and Triage Cases for Autopsy**
Jolee Suddock, DO; Molly Biggs, BS; Daniel Babu, MD; Clarissa Krinsky, MD*
- 9:45 a.m. – 10:00 a.m. **H41** **Histological and Immunofluorescent Imaging of Infant Bridging Veins**
Neil Harris, MSc; Emma Cheshire, MSc; Guy Ruddy, MD; Roger Malcomson, PhD*
- 10:00 a.m. – 10:15 a.m. **BREAK**
- 10:15 a.m. – 10:30 a.m. **H42** **Improving the Postmortem Examination Process Using Complete Body Radiographic Imaging**
Clayton Carter, BS; Jered B. Cornelison, PhD; Christine M. Pink, PhD; Joyce L. deJong, DO; Joseph A. Prahlow, MD*
- 10:30 a.m. – 10:45 a.m. **H43** **Iatrogenic Changes Related to Perimortem Cardiopulmonary Resuscitation (CPR) as Documented by Postmortem Computed Tomography (CT) Scanning**
Aneesa Baig, MSc; Curtis Edward Offiah, MD; Nikolas P. Lemos, PhD*
- 10:45 a.m. – 11:00 a.m. **H44** **Keeping Up With the Drug/Opioid Epidemic: In-House Testing Program of the King County, Washington, Medical Examiner’s Office**
Jordan Taylor, MD; Richard C. Harruff, MD, PhD; Nicole A. Yarid, MD; Katie Heidere, MSW; Celia Simpson*
- 11:00 a.m. – 11:15 a.m. **H45** **An Internal Validation of the ANDE® 6C Expert System for the Analysis of Unidentified Human Remains in a Forensic Laboratory Setting**
Mariel Candelario-Gorbea, MSFS; Fabiola Fernández-Padín, MS; Carmen Tirado-Neris, MS*
- 11:15 a.m. – 11:30 a.m. **H46** **Forensic Photography—An Invaluable Tool During Forensic Autopsies**
*Rachael Landrie, BS**

11:30 a.m. – 11:45 a.m. **H47** **The Logic of Forensic Pathology Opinion'**
*Hans de Boer, MD, PhD**; *Judith Fronczek, MD, PhD*; *Charles Berger, PhD*; *Marjan Sjerps, PhD*

11:45 a.m. - 1:00 p.m. **BREAK**

Poster Session

- 11:30 a.m. – 1:00 p.m. **H48** **Work-Related Fatal Injuries in the Genoa District of Northwest Italy: A Forensic Analysis of the 2011–2020 Decade**
*Giulia Molinari, MD**; *Martina Drommi, MD*; *Valentina Calamano, MD*; *Rosario Barranco, MD*; *Stefano Errico, MD*; *Francesco Ventura, MD, PhD*
- H49** **Diving Accidents and Related Deaths in the Genoa District of Northwest Italy: A Forensic Analysis of the Period From 1968 to 2020**
*Arianna Balbo, MD**; *Martina Drommi, MD*; *Filippo Spigno, MD*; *Francesca Frigiolini, MD*; *Rosario Barranco, MD*; *Francesco Ventura, MD, PhD*
- H50** **An Unusual Gunshot Wound Suicide With Findings Mimicking a Second Entrance Wound**
*Harrison Moosavi, MD**; *Andrew Koopmeiners, MD*
- H51** **A Study on the Suicide Statistics Using Sodium Nitrite in Korea Over the Past 10 Years (2011–2020) and on the Identification Method of Sodium Nitrite Using Coloration Reaction Reagents at the Unnatural Death Scene**
*Jin Yeong, MS**
- H52** **A Tale of Two Suicides—Gunshot Wounds to the Occiput**
*Jiemin Zhou, MD**; *Zabiullah Ali, MD*; *Stephanie Dean, MD*; *J. Laron Locke, MD*
- H53** **Deaths Associated With SARS-CoV-2 Vaccination: The Importance of Autopsy**
*Francesco Sessa, MS, PhD**; *Massimiliano Esposito, MD*; *Monica Salerno, MD, PhD*; *Cristoforo Pomara, MD, PhD*
- H54** **The Time and Temperature Dependence of Volatile Organic Compounds' (VOCs') Appearance in Autolytic Rat and Pig Liver**
*Gabrielle Messe, BA**; *Robert Powers, PhD*
- H55** **A Complex Suicide by Drowning and Stabbing: The First Italian Case Reported in the Literature**
*Stefano Duma, MD**; *Federica Mele, MD*; *Mariagrazia Calvano, MD*; *Mirko Leonardelli, MD*; *Enrica Macorano, MD*; *Francesco Introna, MD*
- H56** **Spectrophotometric Analysis of Postmortem Lividity: A New Objective Measure to Define Time of Death**
*Mariagrazia Calvano, MD**; *Antonio De Donno, MD*; *Chiara Lauretti, MD*; *Ilaria Santoiemma, MD*; *Carmelinda Angrisani, MD*; *Federica Mele, MD*; *Mirko Leonardelli, MD*; *Stefano Duma, MD*; *Enrica Macorano, MD*; *Francesco Introna, MD*
- H57** **The Effect of Multiple Washes and Thread Count on Semen-Stained Sheets**
*Jenna Hedlich, MSFS**; *Jason Linville, PhD*

- H58 The First Italian Suicide Death Due to Helium Inhalation: The First Histological Findings and Pathogenesis**
*Enrica Macorano, MD**; *Andrea Marzullo*; *Federica Mele, MD*; *Mariagrazia Calvano, MD*; *Mirko Leonardelli, MD*; *Stefano Duma, MD*; *Francesco Introna, MD*
- H59 Postmortem Findings in 11 Cases of Death Occurring After the Administration of an Anti- SARS-CoV-2 Vaccine**
*Chiara Franzetti, MD**; *Sofia Bodini, MD*; *Alessandra Radogna, MD*; *Claudia Carelli, MD*; *Vittorio Bolcato, MD*; *Paola Braga, MD*; *Valeria Prandini, MD*; *Gulnaz Javan, PhD*; *Silvia Visonà, MD, PhD*; *Matteo Moretti, MD*; *Luca Morini, PhD*
- H60 Postmortem Computed Tomography (PMCT) in Luxembourg: A Retrospective Analysis**
*Thorsten Schwark, MD**; *Martine Schaul, MD*; *Vincent Lens, MD*; *Andreas Schuff, MD*
- H61 Congenital Rib Abnormalities: A Presentation of Two Case Studies and a Literature Review**
*Gregory Dickinson, MD**; *Hannah C. Jarvis, MRCS*; *Angela Soler, PhD*; *Julie Fleischman, PhD*
- H62 A Forensic Investigation of Fatal Myocardial Infarctions—A Gender-Wise Comparison, Autopsy Findings, and Biological Rhythms: A Study From Greece**
Konstantinos Katsos, MD, PhD; *Evmorfili Zouzia, MD, MSc*; *Konstantinos Moraitis, BSc, PhD*; *Dimitrios Vlachodimitropoulos, MD, PhD*; *Nikolaos Goutas, MD, PhD*; *Chara Spiliopoulou, PharmD, MD, PhD*; *Emmanouil Sakelliadis, MD, MSc, PhD**
- H63 The Determination of Manner of Death When Evaluating Intent: An Examination of Two Cases of Brodifacoum Adulteration of Synthetic Cannabinoids**
*Libby S. Aronson, MD**; *Michael D. Eckhardt, MD*; *Danial S. Isenschmid, PhD*; *Kristin C. Escobar Alvarenga, MD*
- H64 A Study of Post Severe Traumatic Brain Injury (sTBI): Pathological and Radiological Diffuse Axonal Injury (DAI) Changes**
*Meenakshi Sharma, MSc**; *Dipin Sudhakaran, MD*; *Arulselvi Subramaniam, MD*; *Kangana Sengar, DNB*; *Shivanand Gamanagatti, MD*; *Vaishali Suri, MD*; *Rajesh Malhotra, MD*; *Sanjeev Lalwani, MD*
- H65 A Fatal Snap: Death by Extrinsic Percussion of the Neck**
*Andrea Costantino, MD**; *Alice Chiara Manetti, MD*; *Eleonora Mezzetti, MD*; *Arianna Baronti, MD*; *Paola Santoro, MD*; *Lavinia Pellegrini, MD*
- H66 A Case of Traumatic Internal Carotid Artery Dissection: A Rare Event With Devastating Consequences**
*Giacomo Visi, MD**; *Eleonora Mezzetti, MD*; *Andrea Scatena, MD*; *Aniello Maiese, MD*; *Paola Santoro, MD*; *Alessandra De Matteis, MD*; *Massimiliano Dell'Aquila, MD*
- H67 The Hazard of Grabbing a Quick Bite: A Case of Fatally Choking on Ham**
*Arianna Baronti, MD**; *Andrea Costantino, MD*; *Andrea Scatena, MD*; *Giacomo Visi, MD*; *Zoe Del Fante, MD*; *Lavinia Pellegrini, MD*; *Silvia Romano*
- H68 Massive Insulin Injection: A Rare Case of Suicide**
*Paola Santoro, MD**; *Andrea Costantino, MD*; *Arianna Baronti, MD*; *Eleonora Mezzetti, MD*; *Umberto De Gennaro, MD*; *Alice Chiara Manetti, MD*; *Fabio Del Duca, MD*; *Lavinia Pellegrini, MD*
- H69 When Chronic Venous Insufficiency Becomes a Life-Threatening Condition: A Case of Fatal Hemorrhage From a Varicose Veins' Ulcer**
*Zoe Del Fante, MD**; *Arianna Baronti, MD*; *Eleonora Mezzetti, MD*; *Alice Chiara Manetti, MD*; *Fabio Del Duca, MD*; *Silvia Romano*

- H70 Death by Arterial Injury: Two Unusual Cases of Sharp Force Fatalities**
*Lavinia Pellegrini, MD**; *Fabio Del Duca, MD*; *Paola Santoro, MD*; *Andrea Costantino, MD*; *Giacomo Cisi, MD*; *Dralice Chiara Manetti, MD*
- H71 Postmortem Degradation of Porcine Skeletal Muscle Proteins During a Heat Wave in Northern Germany**
*Janine Geissenberger, MSc**; *Jens Amendt, PhD*; *Fabio Carlo Monticelli*; *Peter Steinbacher, PhD*; *Stefan Pittner, PhD*
- H72 A Cocaine-Related Left Ventricle Rupture: A Case Report**
*Gabriele Licciardello, MD**; *Federico Privitera, MD*; *Massimiliano Esposito, MD*; *Edmondo Scoto, MD*; *Sabrina Franco, MD*; *Aldo Liberto, MD*
- H73 Ischemic Heart Disease Due to Intramyocardial Amyloidosis and Undiagnosed Plasma Cell Myeloma**
*Nicole E. Stanley, MD**; *Erik Christensen, MD*
- H74 An Indoor Postmortem Dog Scavenging: A Case Study**
*Andrea Vittorio Maria Failla, MD**; *Gabriele Licciardello, MD*; *Giulio Di Mizio, MD*; *Mario Giuseppe Chisari, MD*; *Francesco Amico, MD*; *Monica Salerno, MD*
- H75 A Multidisciplinary Investigation of a Corpse Found at Sea, With Particular Focus on the Use of Barnacles for the Estimation of the Time Spent in Water**
*Marco Torrì, MD**; *Fabrizio Vanaria, MD*; *Manuela Coci, MD*; *Paola Magni, MD, PhD*; *Cristoforo Pomara, MD, PhD*
- H76 Bodies in a Pool of Blood: Murder or Natural Death?**
*Fausto Licciardello, MD**; *Federico Privitera, MD*; *Salvatore Iannuzzi, MD*; *Giuliana Pennisi, MD*; *Pietro Mazzeo, MD*; *Aldo Liberto, MD*
- H77 An Unusual Suicide Using a Screwdriver: A Case Report**
*Bayan Alzumaili, MD**; *Kristen K. Landi, MD*; *Avneesh Gupta, MD*
- H78 Post-Vaccination Myocarditis and Thrombosis: Monitoring Strategies and Impact on the Vaccines' Benefit-Risk Assessment**
*Giulio Perrone, MD**; *Clio Bilotta, MD*; *Corinne La Spina, MD*; *Vanessa Milazzo, MD*; *Giuliana Malandrino, MD*; *Valeria Provenzano, MD*; *Daniela Guadagnino, MD*; *Mario Spanò, MD*; *Walter Pitingaro, MD*; *Mattia Palmeri, MD*; *Valeria Tullio, PhD*; *Stefania Zerbo, PhD*; *Antonina Argo, PhD*
- H79 Sudden Cardiac Death and Thymic Hypertrophy: A Recurrent Cycle in Medicine**
*Simona Nicolì, MD**; *Marcello Benevento, MD*; *Giampiero Bottari, MD*; *Cristina Elena Rosa Caterino, MD*; *Francesco Clemente, MD*; *Biagio Dolarino, PhD, MD*
- H80 A Rare Case of Sudden Death Due to Endomyocardial Fibrosis in Italy: A Differential Diagnosis With Other Causes of Restrictive Cardiomyopathy**
*Chiara Rossetti, MD**; *Giacomo Belli, MD*; *Paola Braga*; *Lorenzo Franceschetti, MD*; *Cesare Garberi*; *Mario Picozzi*; *Jutta M. Birkhoff, MD, PhD*
- H81 Formalin-Fixed Paraffin-Embedded (FFPE) Extraction of DNA From Tumor Samples: A Revolutionary Breakthrough**
*Kelly Burns, BS**; *Dennis J. DeLuca, PhD*

Case Studies

Moderator:

Lorenzo Gitto, MD
SUNY Upstate, Department of Pathology
Syracuse, NY

Co-Moderator:

Mark Beneke, PhD
International Forensic Research & Consulting
Cologne, Germany

- 1:00 p.m. - 1:15 p.m. **H82** **Chronic Mineral Oil Aspiration: A Case of Exogenous Lipoid Pneumonia**
*Valeria Prandini, MD**; *Chiara Franzetti, MD*; *Gianmarco Di Palma, MD*; *Paolo Musto, MD*;
Alessandra Radogna, MD; *Silvia Visonà, MD, PhD*; *Luca Morini, PhD*; *Matteo Moretti, MD*
- 1:15 p.m. – 1:30 p.m. **H83** **Tell Me What You Ate and I'll Tell You When You Died**
Fabio Policino, MD, PhD; *Emanuele Capasso, MD, PhD*; *Pierpaolo Di Lorenzo*; *Serena Dei Medici, MD*;
*Mariagrazia Marisei, MD**; *Gianluca Auriemma, MD*; *Massimo Niola*
- 1:30 p.m. - 1:45 p.m. **H84** **Sometimes Common Stuff Can Kill: Pay Attention to Your Phone**
Giulia Bini, MD; *Mirella Sabatino, MD**; *Domenico De Stradis, MD*; *Sofia Badini, MD*; *Ludovico Re, MD*;
Laura Scotti, MD; *Chiara Siodambro, MD*; *Silvia Damiana Visonà, PhD*; *Gulnaz T. Javan, PhD*; *Luca*
Morini, PhD; *Fabrizio Scapin Fabrizio, MD*; *Matteo Moretti, MD*
- 1:45 p.m. – 2:00 p.m. **H85** **Drowning at Home: Risk Factors and Prevention in Adults**
*Adrienne Aardema, BS**; *Theodore Brown, MD*; *Joseph A. Prahlow, MD*
- 2:00 p.m. - 2:15 p.m. **H86** **The Differential Diagnosis Between Accidental Injury and Fatal “Shaken Elderly Syndrome”: Insights From a Case Report**
Valentina Bugelli, MD; *Ilaria Tarozzi, MD**; *Matteo Cecchetti, MD*; *Arturo Abruzzese, MD*; *Francesca*
Iannaccone, MD; *Marco Di Paolo, MD*
- 2:15 p.m. - 2:30 p.m. **H87** **A Fatal Case of Delayed Post-Tonsillectomy Hemorrhage: Potential Medicolegal Implications**
*Rasmey Thach, DO**; *Lorenzo Gitto, MD*
- 2:30 p.m. – 2:45 p.m. **H88** **Disseminated Fungal Infections at Forensic Autopsy**
*Amy R. Lorber, AB**; *Joseph A. Prahlow, MD*
- 2:45 p.m. - 3:00 p.m. **BREAK**
- 3:00 p.m. - 3:15 p.m. **H89** **Krönlein Shots and Pseudo-Krönlein Shots**
*Christopher Ramos, MD**; *Joseph A. Prahlow, MD*; *Elizabeth Douglas, MD*
- 3:15 p.m. - 3:30 p.m. **H90** **Mutual Homicide Including Immediate Revenge Homicide by Two Unrelated Assailants Utilizing One Sword**
*Wendy M. Gunther, MD**; *Molly House, DO*
- 3:30 p.m. - 3:45 p.m. **H91** **Mob Justice Fatalities: Case Studies**
*Gert Saayman, FCPATH**
- 3:45 p.m. – 4:00 p.m. **H92** **Woman-to-Woman Sexual Violence: A Case Discussion**
*Sarah Al Hinnawi, MD**
- 4:00 p.m. - 4:15 p.m. **H93** **Fatalities Due to the February 2021 Winter Storm in Harris County, Texas**
*Noah Reilly, DO**; *Varsha Podduturi, MD*; *Hannah C. Jarvis, MRCS*

Thursday—Session II

A Year of SARS-CoV-2

Moderator:

Kristinza W. Giese, MD
Office of the Chief Medical Examiner
Washington, DC

Co-Moderator:

Noemi Procopio, PhD
Northumbria University
Newcastle Upon Tyne, United Kingdom

- 8:30 a.m. - 8:45 a.m. **H94** **COVID Testing and Postmortem Interval**
Breanna Cuchara, MS; Francisco J. Diaz, MD*
- 8:45 a.m. – 9:00 a.m. **H95** **SARS-CoV-2 Active Replication in Cadavers**
Francesca Cazzato; Simone Grassi; Alessandro Alfonsetti; Massimo Zedda; Paola Cattani; Flora Marzia Liotti; Marco Dell'Aquila; Vincenzo Lorenzo Pascali; Maurizio Sanguinetti; Vincenzo Arena; Antonio Oliva*
- 9:00 a.m. – 9:15 a.m. **H96** **The Postmortem Persistence Time of Sars-Cov-2 Virus: An Analysis of a Case Series**
Isabella Aquila, MD, PhD; Matteo A. Sacco, MD; Pietrantonio Ricci, MD, PhD*
- 9:15 a.m. – 9:30 a.m. **H97** **Ventilated Postmortem Imaging of COVID-19- Related Lung Disease With Clinicopathologic Correlation**
Nadia Solomon, MD, MSc, MA; Inga Melvinsdottir, MD; Shin Rong Lee, MD, PhD; Roxanne Wadia, MD; Savannah Gisriel, MD, MPH; Donald Turbiville, MD; Declan McGuone, FRCPath, MBBCh; S. David Hudnall, MD; Albert Sinusas MD*
- 9:30 a.m.— 9:45 a.m. **H98** **Postmortem Computed Tomography (PMCT): A Valuable Tool in the Study of SARS-CoV-2- Related Deaths?**
Francesco Nardoni; Simone Grassi; Massimo Zedda; Guglielmo Manenti; Roberto Floris; Cesare Colosimo; Vincenzo Arena; Vincenzo Lorenzo Pascali; Laura Filograna; Antonio Oliva*
- 9:45 a.m. – 10:00 a.m. **H99** **COVID-19-Associated Myocarditis at Autopsy**
Charles Rohrer, MD; Adam Bailey, MD, PhD; Erin Brooks, MD*
- 10:00 a.m. – 10:15 a.m. **H100** **Anosmia and COVID-19: A Search for the Virus in the Brain Through Immunohistochemical Investigations With the Anti-Sars-Cov-2 Antibody**
Stefania De Simone, DM; Maria Antonella Bosco, DM; Elena Giacani, DM; Michela Ferrara, DM; Raffaele La Russa, DM; Luigi Cipolloni, DM*
- 10:15 a.m. – 10:30 a.m. **BREAK**
- 10:30 a.m. – 10:45 a.m. **H101** **Died From or Died With COVID-19? The Application of Frailty Scores in the Assessment of Causality in 41 Autopsy Cases in Elderly Community Settings**
Martina Zanon, MD; Martina Montanaro, MD; Francesca Sinopoli, MD; Matteo Dri, MD; Davide Radaelli, MD; Carlo Moreschi, MD; Stefano D'Errico, MD, PhD*
- 10:45 a.m. – 11:00 a.m. **H102** **Pediatric SARS-CoV-2 Infection in the Forensic Setting**
Rebecca Folkerth, MD; Michelle Stram, MD, MSc; Dimath Alyemni, MD, MPH; Michael Greenberg, MD; Avneesh Gupta, MBBS; Amanda Krausert, MD; Lauren Mecca, MD; Sophia Rodriguez, MD; Jay Stahl-Herz, MD*
- 11:00 a.m. – 11:15 a.m. **H103** **Overdose Analysis in a Year of COVID-19 in Orange County, California**
Kelly Keyes, BS; Chelsea Brown, MA*

- 11:15 a.m. – 11:30 a.m. **H104** **A Year of Mandatory, Universal COVID-19 Postmortem Testing in San Francisco: Lessons Learned**
*Rand Miyashiro, MA**; *Willi McFarland, MD, PhD*
- 11:30 a.m. – 11:45 a.m. **H105** **The Challenges of the Disposal of COVID-19-Deceased Bodies in Mumbai, India**
*Manoj Parchake, MD**
- 11:45 a.m. - 12:00 p.m. **H106** **Challenges in Managing Dead Bodies With COVID-19 in Indonesia**
*Yudy Yudy, MD**; *Klarisa Salim, MD*; *Denys Alim, MD*
- 12:00 p.m. – 1:00 p.m. **BREAK**

Invertebrates and Microbes

Moderator:

David Carter, MD
Chaminade University of Honolulu
School of Natural Sciences & Mathematics
Honolulu, HI

Co-Moderator:

Heather R. Jordan, PhD
Mississippi State University
Mississippi State, MS

- 1:00 p.m. - 1:15 p.m. **H107** **Estimating the Postmortem Interval (PMI) Using Decomposition Scoring Systems: A Comparative Study**
*Valentina Bugelli, MD**; *Silvia Raddi, MD*; *Matteo Cecchetti, MD*; *Ilaria Tarozzi, MD*; *Sara Bortolini, PhD*; *Carlo Pietro Campobasso, MD, PhD*
- 1:15 p.m. – 1:30 p.m. **H108** **A Long-Term Study of Decomposition at a Tropical Taphonomy Facility: 2013–2021**
*David O. Carter, PhD**; *Alexis J.L. Peterson, BS*; *Adam Orimoto, MS*; *Agathe J.G. Ribereau-Gayon, MSc*; *Carlos A. Gutierrez, PhD*; *Katelynn A. Perrault, PhD*
- 1:30 p.m. - 1:45 p.m. **H109** **A Longitudinal Study of Human Decomposition Across Summer and Winter in Quebec, Canada**
*Agathe Ribereau-Gayon, MSc**; *Shari Forbes, PhD*
- 1:45 p.m. – 2:00 p.m. **H110** **Smelling, Searching, and Sabotage: How Two Carrion Insects Compete for Decomposing Remains**
*Jennifer Rhinesmith-Carranza, BS**; *Jeffery K. Tomberlin, PhD*
- 2:00 p.m. - 2:15 p.m. **H111** **Pre-Colonization Data Improves Larval Age Estimations With Human Remains**
*Charity G. Owings, PhD**; *Hayden McKee, MSc*; *Erin Patrick, MS*; *Sarah Schwing, BA, BSc*; *Thomas Delgado, BA*; *Dawnie W. Steadman, PhD*
- 2:15 p.m. - 2:30 p.m. **BREAK**
- 2:30 p.m. – 2:45 p.m. **H112** **Successional Changes in the Entomological, Bacteriological, and Fungal Communities During the Decomposition of Swine Carcasses**
*Denise Gemmellaro, PhD**; *Rachel Domke, BA*; *Kristina Kovalska*; *Amanda Joy O'Connor*; *Olivia Pate*; *Gloria Raise*; *Nicholas Lorusso, PhD*; *Maria Shumskaya, PhD*
- 2:45 p.m. - 3:00 p.m. **H113** **A Characterization of Volatiles Produced by Five Aerobic Postmortem Bacterial Species**
Kyle Furuta, BSFS; *Julianne Byrne, BSFS*; *Cynthia Cheung, MSFS*; *David O. Carter, PhD*; *Katelynn A. Perrault, PhD**
- 3:00 p.m. - 3:15 p.m. **H114** **Determining Human Identity From Leeches**
*Veronica M. Cappas, BS**; *Reena Roy, PhD*

Thursday—Session III

2022 Jay Dix Day Lecture Series

Moderator:

Michael A. Graham, MD
Saint Louis University School of Medicine
St. Louis, MO

- 1:00 p.m. - 1:15 p.m. **H115** **Deaths Due to Electricity**
*Joseph A. Prahlow, MD**
- 1:15 p.m. – 1:30 p.m. **H115** **Firearm Injuries**
*Andrew M. Baker, MD**
- 1:30 p.m. - 1:45 p.m. **H115** **Investigation of Death Due to Asphyxia**
*Jonathan Hayes, MD**
- 1:45 p.m. - 2:00 p.m. **BREAK**
- 2:00 p.m. - 2:15 p.m. **H115** **Deaths Associated With Sports**
*Joyce L. deJong, DO**
- 2:15 p.m. - 2:30 p.m. **H115** **Deaths Due to Drugs and Other Toxic Agents**
*James R. Gill, MD**

Friday—Session I

Retrospective Studies

Moderator:

Gregory M. Dickinson, MD
Office of the Chief Medical Examiner
New York, NY

Co-Moderator:

Denise Wohlfahrt, BS
Virginia Commonwealth University
Richmond, VA

- 8:30 a.m. - 8:45 a.m. **H116** **The National Center for Forensics—Forensic Workforce Development**
Danny A. Milner, Jr., MD, MSc; Joseph A. DiZinno, DDS; Anthony B. Falsetti, PhD; Amie Ely, JD; Robert A. Kurtzman, DO*
- 8:45 a.m. – 9:00 a.m. **H117** **The National Center for Forensics—The Medical Examiner’s Role**
Robert A. Kurtzman, DO; Danny A. Milner, Jr., MD, MSc; Anthony B. Falsetti, PhD; Joseph A. DiZinno, DDS; Amie Ely, JD*
- 9:00 a.m. – 9:15 a.m. **H118** **Gunshot-Related Fatalities in the Pediatric Population: A Retrospective Study From the Cook County Medical Examiner’s Office**
Lorenzo Gitto, MD; Ponni Arunkumar, MD*
- 9:15 a.m. – 9:30 a.m. **H119** **Human Fatalities Caused By Dogs: A 17-Year Retrospective Study in Harris County, Texas, and New York City, New York**
Hannah C. Jarvis, MRCS; Gregory M. Dickinson, MD*

- 9:30 a.m.– 9:45 a.m. **H120** **Homeless Mortality Reporting by the King County, Washington, Medical Examiner’s Office: Impact and Importance**
Nicole A. Croom, MD, MPH; Richard C. Harruff, MD, PhD*
- 9:45 a.m. – 10:00 a.m. **BREAK**
- 10:00 a.m. – 10:15 a.m. **H121** **An Analysis of Two Decades of Intimate Partner Femicide-Suicide in Turkey**
*Nüket Paksoy Erbaydar, MD, PhD; Nilufer Dilara Ar Mutlu, MSc; Aysun Balseven Odabaş, MD, PhD; Mehmet Cavlak, MD**
- 10:15 a.m. – 10:30 a.m. **H122** **Influencing Factors on Postmortem Protein Degradation for Postmortem Interval (PMI) Estimation: A Systematic Review**
Angela Zissler; Walter Stoiber; Janine Geissenberger, MSc; Peter Steinbacher, PhD; Fabio Carlo Monticelli; Stefan Pittner, PhD**
- 10:30 a.m. – 10:45 a.m. **H123** **Postmortem Computed Tomography (PMCT) in Unwitnessed Choking: A Case Report and Retrospective Review of Seven Cases of Airway Obstruction**
Michael Harrell, MD; Lauren Decker, MD*
- 10:45 a.m. – 11:00 a.m. **H124** **The Status of Internal Neck Structures in Violent Compression of the Neck: A Ten-Year Autopsy Study**
*Nilesh Tumram, MD**
- 11:00 a.m. – 11:15 a.m. **H125** **A Comparison of Findings Identified at Traditional Invasive Autopsy and Postmortem Computed Tomography (PMCT) in Suicidal Hangings**
James Lyness, MB, BCh; Anthony Collins, MB, BCh; Guy Rutty, MB, MD; Jane Rutty, PhD, MSc*

Friday—Session II

Cases of Cardiac Arrest, Asphyxia, and Suicide

Moderator:

Jonathan Parrott, PhD
Arizona State University
Glendale, AZ

Co-Moderator:

Gregory A. Schmunk, MD
Urbandale Forensics, P.C.
Urbandale, IA

- 8:30 a.m. - 8:45 a.m. **H126** **An Autopsy Study of Anthropometric Measurements and Indices of Obesity and Their Relationship With Coronary Artery Atherosclerosis in a South Indian Population**
Francis Nanda Prakash Monteiro, MD, DNB; Shyna Quadras; Tanush Shetty, MD*
- 8:45 a.m. – 9:00 a.m. **H127** **A Tale of Unrelenting Chest Pain: The “Short” Versus the “Tall”**
*Robyn Parks, MD**
- 9:00 a.m. – 9:15 a.m. **H128** **Restraint-Related Asphyxia, Excited Delirium, and Drugs: The Role of Counterfactual Causation in Assessing the Cause of Death in Custody**
*Michael Freeman, MD, PhD; Ellen Strommer, MPH**
- 9:15 a.m. – 9:30 a.m. **H129** **Prone Restraint Cardiac Arrest: A Comprehensive Review of the Scientific Literature and an Explanation of the Physiology**
*Alon Steinberg, MD**
- 9:30 a.m.– 9:45 a.m. **H130** **Prone Restraint Cardiac Arrest**
Victor Weedn, MD, JD; Alon Steinberg, MD; Pete Speth, MD*
- 9:45 a.m. – 10:00 a.m. **H131** **The Role of Mast Cells in Deaths Associated With Fatal Asphyxia: An Immunohistochemical Study Utilizing the CD117 Marker**
Raghvendra Shekhawat, MD; Vikas P. Meshram, MD; Meenakshi Rao, MD; Tanuj Kanchan, MD; Rutwik Shedje, MSFS; Rahul Panwar*

- 10:00 a.m. – 10:15 a.m. **BREAK**
- 10:15 a.m. – 10:30 a.m. **H132 A Suicidal Transnasal Hunting Crossbow Bolt Head Shot: A Case Report**
Wolf Schweitzer, MD; Michael Thali, MD; Christina Herbst, MD, Lars Ebert, PhD;
Rilana Baumeister, MD, PD; Garyfalia Ampanozi, MD; Ni Jian, MD; Stephan Bolliger, MD*
- 10:30 a.m. – 10:45 a.m. **H133 Bad Manners: Suicide by Starvation**
Debra Berry, MD, MS; Sterling McLaren, MD; Ian Puffenberger, MD; Meredith Frank, MD;
James Caruso, MD*
- 10:45 a.m. – 11:00 a.m. **H134 Suicide and Mental Health: Observations From a Coroner/Medical Examiner Office**
Nicole Panzica; Brandi C. McCleskey, MD*
- 11:00 a.m. – 11:15 a.m. **H135 Web-Enabled Suicide Using Sodium Nitrite: An Old Forensic Challenge in New Clothes**
Monica Concato, MD; Davide Radaelli, MD; Michela Peruch, MD; Martina Zanon, MD;
Lara Consoloni, MD; Alessandro Manfredi, MD; Giovanna Bettoli; Riccardo Addobbati;
Stefano D’Errico, MD, PhD*