



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
- 11:30 a.m. – 1:00 p.m. **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
- 11:30 a.m. – 1:00 p.m. **H3** **Takayasu Arteritis Involving Coronary Arteries in a Young Black Male: A Case Report and Literature Review**
John Hu, MD, PhD*
- 11:30 a.m. – 1:00 p.m. **H4** **A Fuel Tank Injury In a Fatal Motorcycle Accident**
Gianluca Rossi, MD*; Giancarlo Di Vella, MD, PhD; Marta Moretti, MD; Lucia Tattoli, PhD
- 11:30 a.m. – 1:00 p.m. **H5** **What Causes the Triad in Diagnosed Abusive Head Trauma (AHT)? Is It the Shaking?**
Thomas Young, MD*
- 11:30 a.m. – 1:00 p.m. **H6** **The Forensic Medicolegal System in Qatar**
Khalid BinMarzook, BSc*
- 11:30 a.m. – 1:00 p.m. **H7** **Railway Fatalities: A Retrospective Analysis of 21 Years**
Christina R. Shreve, BS*; Mario A. Rascon, MD, MHCM; Lorenzo Gitto, MD
- 11:30 a.m. – 1:00 p.m. **H8** **Pitfalls in Postmortem Computed Tomography**
Angela Baldwin, MD, MPH*; Stacia Semple, MD
- 11:30 a.m. – 1:00 p.m. **H9** **Disseminated Coccidioidomycosis in the Human Skeleton**
Laura C. Fulginiti, PhD*; Zachary Michalick, DO; Andrew C. Seidel, PhD*;
Katelyn L. Bolhofner, PhD*; Caroline L. Cross, MD
- 11:30 a.m. – 1:00 p.m. **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;
Franceschetti, MD; Gianfranco Simonini, MD; Davide Machado, MD
- 11:30 a.m. – 1:00 p.m. **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
- 11:30 a.m. – 1:00 p.m. **H12** **WITHDRAWN**
- 11:30 a.m. – 1:00 p.m. **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



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| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | 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
<i>(FSF Emerging Forensic Scientist Award Poster Presentation)</i> |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | H25 | The Walking Dead: A Strange Case of Falls From a Staircase
Mauro Ciavarella*; Natascha Pascale; Valeria Bruno; Maurizio Scarpa; Aldo Di Fazio |
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11:30 a.m. – 1:00 p.m.	H26	Suicides by Barbiturate Intoxication Joy O. Edegbe, MD*; Tiffany A. Hollenbeck, DO
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	H35	The Role of Superstitions in Sexual Assault: A Case Discussion Sarah Al Hinnawj, MD*



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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 Ropero-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 Ruttu, 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
(FSF Emerging Forensic Scientist Award Oral Presentation)
- 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



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- 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
- 11:30 a.m. – 1:00 p.m. **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
- 11:30 a.m. – 1:00 p.m. **H50** **An Unusual Gunshot Wound Suicide With Findings Mimicking a Second Entrance Wound**
Harrison Moosavi, MD*; Andrew Koopmeiners, MD
- 11:30 a.m. – 1:00 p.m. **H51** **WITHDRAWN**
- 11:30 a.m. – 1:00 p.m. **H52** **A Tale of Two Suicides—Gunshot Wounds to the Occiput**
Jiemin Zhou, MD*; Zabiullah Ali, MD; Stephanie Dean, MD; J. Laron Locke, MD
- 11:30 a.m. – 1:00 p.m. **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
- 11:30 a.m. – 1:00 p.m. **H54** **The Time and Temperature Dependence of Volatile Organic Compounds' (VOCs') Appearance in Autolytic Rat and Pig Liver**
Gabrielle Messe, BA*; Robert Powers, PhD
(FSF Emerging Forensic Scientist Award Poster Presentation)
- 11:30 a.m. – 1:00 p.m. **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
- 11:30 a.m. – 1:00 p.m. **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
- 11:30 a.m. – 1:00 p.m. **H57** **The Effect of Multiple Washes and Thread Count on Semen-Stained Sheets**
Jenna Hedlich, MSFS*; Jason Linville, PhD



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11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	H60	Postmortem Computed Tomography (PMCT) in Luxembourg: A Retrospective Analysis Thorsten Schwark, MD*; Martine Schaul, MD; Vincent Lens, MD; Andreas Schuff, MD
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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*
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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
11:30 a.m. – 1:00 p.m.	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



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| 11:30 a.m. – 1:00 p.m. | 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 Visi, MD; Alice Chiara Manetti, MD |
| 11:30 a.m. – 1:00 p.m. | H71 | Postmortem Degradation of Porcine Skeletal Muscle Proteins During a Heat Wave in Northern Germany
Janine Geissenberger, MSc*; Jens Amendt, PhD; Fabio Carlo Monticelli, PhD; Peter Steinbacher, PhD; Stefan Pittner, PhD |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | H73 | Ischemic Heart Disease Due to Intramyocardial Amyloidosis and Undiagnosed Plasma Cell Myeloma
Nicole E. Stanley, MD*; Erik Christensen, MD |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | 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 Torrisi, MD*; Fabrizio Vanaria, MD; Manuela Coci, MD; Paola Magni, MD, PhD; Cristoforo Pomara, MD, PhD |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | H77 | An Unusual Suicide Using a Screwdriver: A Case Report
Bayan Alzumaili, MD*; Kristen K. Landi, MD; Avneesh Gupta, MD |
| 11:30 a.m. – 1:00 p.m. | 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 |
| 11:30 a.m. – 1:00 p.m. | H79 | Sudden Cardiac Death and Thymic Hypertrophy: A Recurrent Cycle in Medicine
Simona Nicoli, MD*; Marcello Benevento, MD; Giampiero Bottari, MD; Cristina Elena Rosa Caterino, MD; Francesco Clemente, MD; Biagio Dolarino, PhD, MD |
| 11:30 a.m. – 1:00 p.m. | 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, MD; Lorenzo Franceschetti, MD; Cesare Garberi, MD; Mario Picozzi; Jutta M. Birkhoff, MD, PhD |
| 11:30 a.m. – 1:00 p.m. | H81 | Formalin-Fixed Paraffin-Embedded (FFPE) Extraction of DNA From Tumor Samples: A Revolutionary Breakthrough
Kelly Burns, BS*; Dennis J. DeLuca, PhD |



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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 Bodini, MD;
Ludovico Re, MD; Laura Scotti, MD; Chiara Siodambro, MD; Silvia Damiana Visonà, PhD;
Gulnaz T. Javan, PhD; Luca Morini, PhD; Fabrizio Scapin, 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** **WITHDRAWN**
- 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:

Jamie Elifritz, MD
University of New Mexico
Albuquerque, NM

- 8:30 a.m. - 8:45 a.m. **H94** **COVID Testing and Postmortem Interval**
Breanna Cuchara, MS*; Francisco J. Diaz, MD
(FSF Emerging Forensic Scientist Award Oral Presentation)
- 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



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- 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** **The 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 Ribereau-Gayon, PhD; 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 Ribéreau-Gayon, MSc*; Shari Forbes, PhD
(FSF Emerging Forensic Scientist Award Oral Presentation)
- 1:45 p.m. – 2:00 p.m. **H110** **WITHDRAWN**
- 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
(FSF Emerging Forensic Scientist Award Oral Presentation)
- 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
(FSF Emerging Forensic Scientist Award Oral Presentation)



Thursday—Session III

2022 Jay Dix Lecture Series

Moderator:

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

- 9:00 a.m. – 10:00 a.m. **H115** **Deaths Due to Electricity**
Joseph A. Prahlow, MD*
- 10:00 a.m. – 10:15 a.m. **BREAK**
- 10:15 a.m. – 11:05 a.m. **H115** **Firearm Injuries**
Andrew M. Baker, MD*
- 11:05 a.m. – 12:00 p.m. **H115** **Investigation of Death Due to Asphyxia**
Jonathan Hayes, MD*
- 12:00 p.m. – 2:00 p.m. **BREAK**
- 2:00 p.m. – 2:50 p.m. **H115** **Deaths Associated With Sports**
Joyce L. deJong, DO*
- 2:50 p.m. – 3:05 p.m. **BREAK**
- 3:05 p.m. – 3:55 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



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- 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, MBBS, 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
(FSF Emerging Forensic Scientist Award Oral Presentation)
- 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 Ruddy, MB, MD; Jane Ruddy, 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*



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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 Raghendra 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