



UNIVERSITÀ
CATTOLICA
del Sacro Cuore

XI National Meeting
Gruppo Italiano di Patologia Forense
UPDATE IN FORENSIC PATHOLOGY:
FROM DAILY PRACTICE TO THE COURTROOM
ROME 18-19-20 April 2024
Università Cattolica del Sacro Cuore
President of the Congress: Prof. Antonio Oliva

Short Program

April 18th, 2024

2:30 PM Opening Ceremony *F. Anelli, A. Gasbarrini, M. Elefanti, G. Scambia, F. Introna, G. Scalise*

I session: 3:00 PM - **Quality management in Forensic Science** Chairman desk: *V.L. Pascali, P. Frati*

The accreditation of the Office: the US perspective, *B. Wolf*
The role of the expert in the Court: the EU perspective, *M. Tsokos*
Forensic pathology evidence and the Supreme Court, *P. Piccialli*

II session 4:30 PM - **War crimes** Chairman desk: *A. Oliva, D.S. Priemer*

The pathologists join anthropologist in forensic setting, *W. Rodriguez III*
The Role of the Forensic Pathologist in the Examination of Combat Deaths, *K. Harshbarger*
Procedures and actions of the Public Prosecutors' Office in the jurisdiction of war crimes, *S. Colaiocco*

05:30-5:45 PM: Questions & Answers

April 19th, 2024

III session: 9:00 AM - **Scientific evidence in Courtroom**

Chairman desk: *F. Introna, E. D'Aloja*

Value of autopsy guidelines in medical malpractice claims, *A. d'Ippolito*
Scientific evidence in Courtroom, *S. Dovere*
Conflicting hypothesis, cognitive bias and legal assessment, *M. Caputo*
Peer-reviewing in Forensic Pathology: what does it really bring to the courtroom?, *C. Cattaneo*
Predatory publisher: risks for forensic science. An editor's point of view, *T. Fracasso*

IV session: 11:00 AM – **Education**

Chairman desk: *V. L. Pascali, L. T. Marsella*

The training of the forensic pathologist during pathology residency, *R. Zoia*
The accreditation of future Forensic pathologist, *D. De Leo*
Gross negligence in medical liability, *C. Cupelli*

12:00-12:30 PM: Question & Answers

V Session: 2:30 - 4:00 PM - **Immersion Death**

Chairman desk: *V. Fineschi, F. Ventura*

The autopsy in the floating body, *J. Caruso*
The complementary diatom test in the diagnosis of drowning: state of the art, *S. Tambuzzi*
Testing the specificity of the diatom test: search for false-positives, *F. Bortolotti*
Forensic histopathology investigations, *R. Barranco*
Drowning: still an exclusion diagnosis? *G. Viel*
Forensic genetics perspective, *P. Fattorini*

VI session: 4:00-5:00 PM - **Advances in interdisciplinary research**

Chairman desk: *A. Oliva, P. Fattorini, S. Strano Rossi*

Forensic pathologists face femicide: challenges and opportunities, *R. Cecchi*
New frontiers of interdisciplinary research on dental tissues, *V. Pinchi*
Interdisciplinary applications of insects as forensic indicators. A multicenter study, *C. Campobasso*
The DoD/USU Brain Tissue Repository: Characterizing the Neuropathology of Combat-Related Traumatic Brain Injuries and Military Suicides, *D.S. Priemer*

5:15 - 6:15 PM: **Board Members renewal meeting**

April 20th, 2024

VII Session: **Young Researchers**

Chairman desk: *C. Campobasso, G. Bolino, E. Ventura-Spagnolo, B. Solarino, M. Neri*

08:30 – 13:00 AM: Oral presentations

13:15 AM: **Best oral communications: Award Ceremony**

Award Committee

A. Oliva, F. Ventura, B. Solarino, M. Neri, E. Ventura Spagnolo

In partnership with:



April 20th, 2024

VII Session: Young Researchers

AULA BRASCA

Chairman desk: C. Campobasso, G. Bolino, M. Neri

- 8.30 - 8.36** **001** **A case series of water-related death investigations: seeking new answers using classic forensic elements**
L. Calestani^{1,}, F. De Fazio¹, S. Ciuffreda¹, J. Camatti¹, S. Detratti¹, C. Ferronato¹, F. Marinelli¹, R. Cecchi¹*
1 Institute of Legal Medicine, University of Modena and Reggio Emilia, Modena, Italy
- 8.38 - 8.44** **003** **Bicycle injuries: a systematic review for forensic evaluation**
S. Santelli^{1,}, E. Giovannini¹, G. Pelletti¹, MP. Bonasoni², M. Innocenti¹, L. Berti¹, M. Irmici¹, F. Grimaldi¹, S. Pelotti¹, P. Fais¹*
1 Department of Medical and Surgical Sciences, Unit of Legal Medicine, University of Bologna, Via Imerio 49, 40126, Bologna, Italy
2 Pathology Unit, Azienda USL-IRCCS di Reggio Emilia, Via Amendola 2, 42122 Reggio Emilia, Italy
- 8.46 - 8.52** **005** **An Unusual Case of Suicide by Double Gunshot Wounds: The Role of Micro-CT in Reconstructing the Dynamics of the Event**
E. Callegari^{1,}, E. Mazzobel¹, F. Pozzebon¹, C. Girauo², G. Viel¹, G. Cecchetto¹*
1 Unit of Legal Medicine and Toxicology, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padova, Via Falloppio 50, 35121 Padova, Italy.
2 Radiology Unit, University-Hospital of Padova, Via Giustiniani 2, 35121 Padova, Italy
- 8.54 - 9.00** **007** **The expression of Toll-like Receptor (TLR-4 and TLR-2) in lethal Covid-19 lung disease**
R. Zamparese^{1,}, MC. Pedicillo², I. De Stefano², L. Alfieri⁴, O. Guerrini³, B. Chiodi³, R. Giorgetti³, A. Montana³*
1 Legal Medicine Unit, Ascoli Piceno Hospital C-G. Mazzoni, Viale Degli Iris 13, 63100 Ascoli Piceno, Italy.
2 Department of Clinical and Experimental Medicine, University of Foggia, Viale L.Pinto 1, 71122 Foggia, Italy.
3 Department of Biomedical Sciences and Public Health, University Politecnica delle Marche, 60126, Ancona, Italy
4 Department of Medical Sciences, Section of Public Health Medicine, University of Ferrara, 44121 Ferrara, Italy;
- 9.02 - 9.08** **009** **20 Years of Femicides in Verona Territory: A Retrospective Study with Forensic Perspectives**
M. Tiberio^{1,}, LM. Solari¹, N. Tatriele¹, E. Trevisan¹, F. Ausania¹, N. Pigaiani¹, D. De Leo¹*
1 Section of Forensic Medicine, Department of Diagnostics and Public Health, University of Verona, Verona
- 9.10 - 9.16** **011** **Homicidal or suicidal death? Evidence-based approach to assessing cause of death in a peculiar forensic case**
M. Indelicato^{1,}, G. Baldino¹, G. Burrascano¹, T. Biondo¹, D. Iannello¹, S. Pellicano¹, A. Messina¹, G. Tapuzzano¹, A. Asmundo¹, G. Rotter¹, C. Raffino², E. Ventura Spagnolo¹*
1 Legal Medicine Section, Biomorf Department, Messina University
2 INAIL Centre, Enna

- 9.18 – 9.24** **013** **Homicide-suicide/dyadic deaths and multidisciplinary approach: description of case series and a review of the literature**
G. Burrascano^{1,}, G. Baldino¹, T. Biondo¹, D. Iannello¹, Simona Pellicano¹, M. Indelicato¹, A. Messina¹, G. Tapuzzano¹, M. Čaplinskiene³, A. Asmundo¹, G. Rotter¹, C. Raffino¹, E. Ventura Spagnolo¹*
1 Legal Medicine Section, Biomorf Department, Messina University
2 INAIL Centre, Enna; 3 State Forensic
3 Science, Mykolas Romeris University Vilnius (Lithuania)
- 9.26 – 9.32** **015** **Multidisciplinary approach and application of experimental investigation in a case of gunshot injury**
A. Messina^{1,}, G. Baldino¹, G. Burrascano¹, T. Biondo¹, D. Iannello¹, S. Pellicano¹, M. Indelicato¹, G. Tapuzzano¹, A. Asmundo¹, G. Rotter¹, C. Raffino², E. Ventura Spagnolo¹*
1 Section of Forensic Medicine, Biomorph Department, University of Messina;
2 INAIL Centre, Enna
- 9.34 – 9.40** **017** **Performance evaluation of ChatGTP 3.5 in estimating the post-mortem interval**
E. Giovannini^{1,}, S. Santelli¹, L. Berti¹, G. Pelletti¹, A. Giorgetti¹, F. Pirani¹, M. Irmici¹, F. Grimaldi¹, S. Pelotti¹, P. Fais¹*
1 Department of Medical and Surgical Sciences, Unit of Legal Medicine, University of Bologna, Via Irnerio 49, 40126, Bologna, Italy
- 9.42 – 9.48** **019** **Choking in patients with neurological disorders and role of drug-induced dysphagia**
P. Ciamarra^{1,}, A. Feola¹, A. Cavezza¹, A. Carfora¹, CP. Campobasso¹*
1 Department of Experimental Medicine, University of Campania “Luigi Vanvitelli”, via Luciano Armanni 5, 80138 Naples, Italy
- 9.50 – 9.56** **021** **AI and Histological Texture Analysis in PMI Estimation: a Pilot Study**
R. Saccà^{1,}, R. Turrini¹, A. Sardo¹, A. Sandri¹, M. Saccani³, M. Brunelli², S. Turrina¹, D. Raniero¹*
1 Department of Diagnostics and Public Health, Section of Forensic Medicine, University of Verona, Italy.
2 Department of Diagnostics and Public Health, Pathology Unit, University of Verona, Italy.
3 Quantitative Analyst, Model Risk Management, State Street Corporation, Cracow, Poland.
- 9.58 – 10.04** **023** **Through fire and flames: accident, suicide or homicide**
A. Marzaioli^{1,}, E. Macorano¹, G. De Gabriele¹, A. Cristalli¹, S. Di Trani¹, A. Colucci¹, F. Introna¹*
1. Section of Legal Medicine – University of Bari
- 10.06 – 10.12** **025** **Fatal Outcomes Associated with Conducted Energy Weapons Use: a Systematic Review**
A. Puggioni¹, Giovanni Cecchetto², Guido Viel²
1. Unit of Legal Medicine, Department of Preventive Medicine, Azienda ULSS4 –Veneto Orientale, San Donà di Piave, Italy.
2. Unit of Legal Medicine and Toxicology, Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padova, Padova, Italy.
- 10.14 - 10.20** **027** **Post-Mortem Fluoroscopy: an experimental approach to identify Vertebral Artery Injuries due to Stab Wounds**
L. Secco^{1,}, E. Callegari¹, G. Viel¹, M. Battistel¹, G. Cecchetto¹, P. Fais², C. Giraud¹, G. Franchetti¹*
1 Department of Cardiac, Thoracic, Vascular Sciences and Public Health, University of Padova, via GabrieleFaloppio 50, 35121 Padova PD, Italy
2 Department of Medical and Surgical Sciences, University of Bologna, via Irnerio 49, 40126 Bologna BO, Italy

- 10.22 – 10.28** **029** **Forensic biomarkers of anthropogenic activity in the soil of the Late Palaeolithic site of Landro: Preliminary results of an experimental study**
A. Dimitrova^{1,}, C. Bacci¹, S. Vai², M. Peresani^{3,4}, D. Visentin³, I. Bianchi⁵, A. Serra⁵, Simone Grassi⁵, Fabio Vaiano¹*
 1. FT-LAB, Dipartimento di Scienze della Salute, Università degli Studi di Firenze
 2. Sezione di Antropologia, Dipartimento di Biologia, Università degli Studi di Firenze
 3. Dipartimento degli Studi Umanistici, Unità di Scienze Preistoriche e Antropologiche, Università di Ferrara
 4. Istituto di Geologia Ambientale e Geoingegneria, Consiglio Nazionale delle Ricerche, Milano
 5. Sezione di Medicina Legale, Dipartimento di Scienze della Salute, Università degli Studi di Firenze
- 10.30 – 10.36** **031** **iForensic, Validation of Digital Whole Slide Images in Forensic Context According to College of American Pathologists Guidelines: The Future of Forensic Histopathology is Now!**
N. Pigaiani^{1,}, F. Ausania¹, V. Cirielli^{1,2}, M. Brunelli³, F. Bortolotti¹, D. De Leo¹*
 1. Section of Forensic Medicine, Department of Diagnostics and Public Health, University of Verona, Italy
 2. Unit of Forensic Medicine, Department of Prevention ULSS 8 Berica, Vicenza, Italy
 3. Unit of Pathology, Department of Diagnostics and Public Health, University of Verona, Verona, Italy
- 10.38 – 10.44** **033** **Unveiling Temporal Secrets: Advancing PMI Estimation through Multi-Omics Approaches**
N. Procopio^{}, S. Gino, N. Ogbanga, A. Bonicelli*
- 10.46 – 10.52** **035** **The role of the forensic pathologist in complex cases of homicide-suicide differential diagnosis: a case series.**
G. Guarnieri^{1,}, Belli Giacomo², Di Masi Gerardo¹, B. Trentarossi², L. Andrello³, M. Zedda¹, M. Moretti³, C. Siodambro¹*
 1 Department of Health Surveillance and Bioethics Fondazione Policlinico A. Gemelli IRCCS, Università Cattolica del Sacro Cuore Rome, Italy
 2 Unit of Legal Medicine, Department of Public Health, Experimental and Forensic Medicine, University of Pavia, Pavia, Italy.
 3 Office of Forensic Science, Bellinzona
- 10.54 – 11.00** **037** **The forensic experience of the Università Cattolica Del Sacro Cuore: a focus on violent deaths from 2007 to 2023**
F. Perna^{1,}; G. Guarnieri¹; E. Mustè¹; VL. Pascali¹; A. Oliva¹*
 1 Department of Health Surveillance and Bioethics Fondazione Policlinico A. Gemelli IRCCS, Università Cattolica del Sacro Cuore Rome, Italy
- 11.02 – 11.08** **039** **Psychosis in Cocaine Intoxication**
G. De Gabriele^{1,}, E. Macorano¹, S. Duma¹, A. Cristalli¹, S. Di Trani¹, A. Marzaioli¹, A. Colucci¹, F. Mele¹, L. Aventaggiato¹, F. Introna¹*
 1 Istituto di Medicina Legale, Dipartimento Interdisciplinare di Medicina (DIM), Università degli Studi «Aldo Moro» di Bari
- 11.10 – 11.16** **041** **Victim and Murderer: Does their relationship affect injury distribution?**
R. Turrini¹, R. Saccà¹, L. Toso¹, R. Gerard¹, F. Baldisser¹, N. Pigaiani¹, F. Bortolotti¹, D. Raniero¹
 1 Department of Diagnostics and Public Health, Section of Forensic Medicine, University of Verona
- 11.18 – 11.24** **043** **Post-mortem diagnosis of multifocal fibromuscular dysplasia in a teenager**
B. Briasco¹, F. Frigiolini¹, A. Bonsignore^{1,2}, F. Buffelli³, F. Ventura^{1,2}, C. Tettamanti^{1,2}
¹University of Genova, Department of Legal and Forensic Medicine, Via De Toni 12, 16132, Genova, Italy.
²Legal Medicine Unit, Policlinico San Martino Hospital, Largo Rosanna Benzi 10, 16132, Genova, Italy.
³Fetal and Perinatal Pathology Center, IRCCS-Istituto Giannina Gaslini, Via G. Gaslini 5, 16147, Genova, Italy.

- 11.30 – 11.36** **045** **New challenges for the Forensic Pathologist: a case of an e-scooter fatal accident**
L. Lombardi^{1,}, F. Gamba^{1,*}, S. Lo Pinto^{2,*}, F. Ventura^{1,2,*},*
1 University of Genova, Department of Legal and Forensic Medicine, Via De Toni 12, 16132 Genova Italy
2 Legal Medicine Unit, Policlinico San Martino Hospital, Largo Rosanna Benzi 10, 16132, Genova, Italy
- 11.38 – 11.44** **047** **Oral administration of Misoprostol and illegal abortion: a case report**
N. Vernazza^{1,}, F. Canobbio^{1,*}, S. Staltari^{1,*}, VG. Vellone^{2,3,*}, F. Ventura^{1,4,*}*
1 University of Genova, Department of Legal and Forensic Medicine, Via De Toni 12, 16132 Genova, Italy
2 Department of Integrated Surgical and Diagnostic Sciences (DISC), University of Genoa, 16132 Genoa, Italy
3 Fetal and Perinatal Pathology Unit, IRCCS Istituto Giannina Gaslini, Via Gerolamo Gaslini, 16147 Genoa, Italy
4 Legal Medicine Unit, Policlinico San Martino Hospital, Largo Rosanna Benzi 10, 16132 Genova, Italy
- 11.46 – 11.52** **049** **A rare case of self-strangulation using a gym elastic band**
M. D'Angiolillo^{1,}, E. Messina¹, F. Ventura^{1,2}*
1 University of Genova, Department of Legal and Forensic Medicine, Via De Toni 12, 16132 Genova Italy.
2 Legal Medicine Unit, Policlinico San Martino Hospital, Largo Rosanna Benzi 10, 16132, Genova, Italy.
- 11.54 – 12.00** **051** **A case of filicide and matricide: multidisciplinary forensic approach in the differential diagnosis between homicide, accidental death and corpse dismemberment**
I. Caristo^{1,}, R. Barranco^{1,2}, G. Fraternali Orcioni³, D. Coviello⁴, Francesco Ventura^{1,5}*
1 University of Genova, Department of Legal and Forensic Medicine, Via De Toni 12, 16132 Genova Italy
2 INAIL Genova, via Gabriele D'Annunzio 76, 16121 Genova, Italy
3 Department of Pathology, Santa Croce e Carle Hospital, via Michele Coppino 26, 12100 Cuneo, Italy
4 Laboratory of Human Genetics, Scientific Institute for Research, Hospitalization and Healthcare (IRCCS), Giannina Gaslini Institute, 16147 Genoa, Italy
5 Legal Medicine Unit, Policlinico San Martino Hospital, Largo Rosanna Benzi 10, 16132 Genova, Italy

AULA VITO

Chairman desk: *E. Ventura-Spagnolo, B. Solarino*

- 8.30 - 8.36** **002** **Unexpected child death secondary to systemic cutaneous infection due to undiagnosed myeloid haematopoietic neoplasia.**
S. Duzioni¹, B. Salsano¹, P. Nozza¹, F. Ventura^{1,3}
1 University of Genova, Department of Legal and Forensic Medicine, Via De Toni 12, 16132 Genova Italy
2 Department of Pathology, Policlinico San Martino Hospital, Largo Rosanna Benzi 10, 16132, Genova, Italy
3 Legal Medicine Unit, Policlinico San Martino Hospital, Largo Rosanna Benzi 10, 16132, Genova, Italy
- 8.38 - 8.44** **004** **Vilification or necrophagy? The woman, the cat, the mouse and the ant**
F. Filippucci¹, R. Giorgetti¹; L. Buscem¹
1 Section of Legal Medicine, Department of Biomedical Sciences and Public Health, Università Politecnica delle Marche, Ancona.
- 8.46 - 8.52** **006** **Cephaloarachid fluid in the postmortem: pilot study on collection protocols and forensic implications**
EB. Croce¹, M. Focardi², D. Buffoni¹, E. Ferri², M. Pirillo², S. Grassi², F. Vaiano¹, V. Pinchi²
1 Laboratorio di Tossicologia Forense (FT-LAB), Dipartimento di Scienze della Salute, Università degli Studi di Firenze, Italia
2 Scienze Medico Forensi, Dipartimento di Scienze della Salute, Università degli Studi di Firenze, Italia
- 8.54 - 9.00** **008** **Forensic and clinical KARONTE database in Vicenza-Italy: usefulness of information from a dataset of 2793 autopsies for Health for All/WHO.**
V. Cirielli¹, U. Nardi¹, R. Tamiozzo¹, M Bissolo², M. Capucci², C. Faes², A. Russo², A. Sandri², A. Sardo², F. Ausania² and M. Brunelli³
1 Unit of Forensic Medicine, U.L.S.S. 8 BERICA, "San Bortolo" Hospital, Vicenza
2 Unit of Forensic Medicine, Department of Diagnostic and Public Health, University of Verona
3 Unit of Pathology, Department of Diagnostic and Public Health, University of Verona
- 9.02 - 9.08** **010** **Gunshot Defense Wounds: the need for a specific classification**
S. Nicoli
- 9.10 - 9.16** **012** **Immunohistochemical study on γ H2A.X, SBB and PTAH in sudden cardiac death: markers of oxidative stress**
A. Montana^{1,}, G. Tossetta², S. Fantone³, D. Marzioni^{2,4}, E. Montanari¹, R. Zamparese⁵, M. Palpacelli¹, FP. Busardò¹*
1 Department of Biomedical Sciences and Public Health, University Politecnica delle Marche, 60126, Ancona, Italy.
2 Department of Experimental and Clinical Medicine, Università Politecnica delle Marche, Ancona, Italy
3 Scientific Direction, IRCCS INRCA, 60124 Ancona, Italy
4 IRCCS INRCA, Ancona, Italy
5 Legal Medicine Unit, Ascoli Piceno Hospital C-G. Mazzoni, Viale Degli Iris 13, 63100 Ascoli Piceno, Italy
- 9.18 - 9.24** **014** **Estimation of the age at death in the Forensic Context: is the obliteration of ectocranial sutures reliable?**
L. Donato^{1,}, V. Tordoni², S. Fioretti², J. Camatti³, A. Silvestri², V. Gatto², F. Zucchi², LT. Marsella¹, E. Silingardi², R. Cecchi²*
1 Department of Legal Medicine University of Rome "Tor Vergata", Italy
2 Department of Legal Medicine University of Modena and Reggio Emilia, Italy
3 AUSL Piacenza, Italy

- 9.26 – 9.32** **016** **Excited delirium in forcibly restrained men: circumstance or cause of death?**
A. Sandri^{1,}, M. Capucci¹, V. Banzi¹, D. Raniero¹*
 1 Department of Diagnostics and Public Health, Section of Forensic Medicine, University of Verona, Verona, Italy
- 9.34 – 9.40** **018** **Adult age estimation based on a CBCT method**
I. Bianchi^{1,}, G. Vitale¹, U. Santosuosso², L. Bonaccorsi², F. Pradella¹, S. Grassi¹, M. Focardi¹, V. Pinchi¹*
 1 Laboratory of Personal Identification and Forensic Morphology, Dept. of Health Sciences, University of Florence, Florence, Italy
 2 Dept. of Clinical and Sperimental Medicine, Human Anatomy and Histology Unit, University of Florence, Florence, Italy
- 9.42 – 9.48** **020** **Forensic Autopsy In Asbestos-Related Death. The role of the forensic pathologists in worker protection and scientific research**
A. Porzio^{1,}, CP. Campobasso²*
 1 Department of Mental and Physical Health and Preventive Medicine, University of Campania “Luigi Vanvitelli”, Via Luciano Armanni 5, 80138 Naples, Italy; DIMEILA, the INAIL Department of Medicine, Epidemiology, Occupational and Environmental Hygiene
 2 Department of Experimental Medicine, University of Campania “Luigi Vanvitelli”, Via Luciano Armanni 5, 80138 Naples, Italy.
- 9.50 – 9.56** **022** **A review of PMI estimation by metabolomics approaches**
A. Chighine¹, A. Carniato¹, C. Gozzelino^{1,}, J. Sanna¹, E. Locci¹, E. d’Aloja¹*
 1 Forensic Unit, Department of Medical Sciences and Public Health, University of Cagliari
- 9.58 – 10.04** **024** **Death due to dog attack: a case report**
R. Mercuri^{1,}, M. Drommi¹, F. Ventura^{1,2}*
 1. University of Genova, Department of Legal and Forensic Medicine, Via De Toni 12, 16132 Genova Italy
 2. Legal Medicine Unit, Policlinico San Martino Hospital, Largo Rosanna Benzi 10, 16132, Genova, Italy
- 10.06 – 10.12** **026** **Guanosine Series, Neopterin And Tetrahydrobiopterin In Extracellular Vesicles Of Cadaveric Muscle Samples**
A.M. Catena^{2,}, M. Bonelli^{1,2}, M. Treglia², LT. Marsella⁵, T. Pietrangelo⁵, A. Mazzatenta⁴, M. Locatelli⁴, M. Perrucci³, F. Savini³, GM. Merone⁴, C. D’Ovidio¹*
 1 Section of Legal Medicine, Department of Medicine and Aging Sciences, University “G. d’Annunzio” of Chieti-Pescara, 66100 Chieti, Italy
 2 Institute of Legal Medicine, University of Rome 2 “Tor Vergata”, 00133 Rome, Italy
 3 Pharmacotoxicology Laboratory-Hospital “Santo Spirito”, 65124 Pescara, Italy.
 4 Department of Pharmacy, University “G. d’Annunzio” of Chieti-Pescara, 66100 Chieti, Italy
 5 Department of Neuroscience, Imaging and Clinical Science, University “G. d’Annunzio”, Chieti-Pescara, Italy
- 10.14 - 10.20** **028** **Overview of the use of the vitreous humour in forensics**
M. Focardi^{1,}, L. Lanzilao², R. Grifoni¹, B. Defraia¹, M. Bonizzoli³, C. Lazzari³, S. Grassi⁴, I. Bianchi⁴, V. Pinchi⁴*
 1UOC Medicina Legale – AOU Careggi Firenze
 2Laboratorio Generale - AOU-Careggi
 3SOD Cure Intensive del Trauma e delle Gravi Insufficienze d’Organo- AOU Careggi
 4Sezione Scienze Medico Forensi- Università degli Studi di Firenze
- 10.22 – 10.28** **030** **Evaluation of Lung-Drowning Fluid Exchange In Ion Chromatography**
A.M. Catena^{2,}, E. Rosato¹, M. Bonelli¹, M. Treglia², L.T. Marsella², A. Mazzatenta¹, M. Locatelli⁴, M. Perrucci⁴, F. Savini⁴, G.M. Merone³, C. D’Ovidio¹*
 1 Section of Legal Medicine, Department of Medicine and Aging Sciences, University “G. d’Annunzio” of Chieti-Pescara, 66100 Chieti, Italy
 2 Institute of Legal Medicine, University of Rome 2 “Tor Vergata”, 00133 Rome, Italy
 3 Pharmacotoxicology Laboratory-Hospital “Santo Spirito”, 65124 Pescara, Italy.
 4 Department of Pharmacy, University “G. d’Annunzio” of Chieti-Pescara, 66100 Chieti, Italy
 5 Department of Neuroscience, Imaging and Clinical Science, University “G. d’Annunzio”, Chieti-Pescara, Italy

- 10.30 – 10.36** **032** **Death During Technical Dive At High Depth: Description Of An Autopsy Case**
F. Spigno^{1,}, E. Vicario^{1,*}, Francesco Ventura^{1,2,*}*
1 University of Genoa, Department of Legal and Forensic Medicine, V. De Toni 12, 16132 Genoa, Italy
2 Legal Medicine Unit, Policlinic San Martino Hospital, Largo Rosanna Benzi 10, 16132 Genoa, Italy
- 10.38 – 10.44** **034** **Gastric ischemia as an under-reported cause of death of older people: a post-mortem case report**
F. Grimaldi^{1,}, M. Irmici¹, E. Giovannini¹, S. Santelli¹, L. Berti¹, G. Pelletti¹, A. Giorgetti¹, F. Pirani¹, S Pelotti¹, P. Fais¹*
1 Department of Medical and Surgical Sciences, Unit of Legal Medicine, University of Bologna, Via Irnerio49, 40126, Bologna, Italy
- 10.46 – 10.52** **036** **Colorimetric Analysis of Burnt Teeth: A novel Tool for Forensic Dental Identification**
C. Viteritti¹, M. Aliberti², L. Tattolli³, E. Nuzzolese⁴
1 Medico legale in formazione
2 Odontoiatra, La Spezia
3 Ricercatore di Medicina Legale
4 Odontoiatra forense, Associato di Medicina Legale Sezione di Medicina Legale, DSSPP, Università degli Studi di Torino
- 10.54 – 11.00** **038** **Classification of Dental Resin Composites in Forensic Odontology**
G. Muscarnera¹, D. Bosio², M. Putzu², E. Nuzzolese³
1 Medico legale in formazione
2 Dirigente Medico, Città della Salute e della Scienza, Torino
3 Odontoiatra forense, Associato di Medicina Legale Sezione di Medicina Legale, DSSPP, Università degli Studi di Torino
- 11.02 – 11.08** **040** **Dura Mater and Survival Time Determination in Individuals Who Died After Traumatic Brain Injury: A Preliminary Study**
M. Benevento^{1,}, A. d'Amati², S. Nicolì¹, L. Ambrosi¹, J. Baj³, D. Ferorelli¹, G. Ingravallo², B. Solarino¹*
1 Section of Legal Medicine, University of Bari, piazza Giulio Cesare, 11, 70124, Bari, Italy
2 Section of Pathology, University of Bari, piazza Giulio Cesare, 11, 70124, Bari, Italy
3 Chair and Department of Anatomy, Medical University of Lublin, 20-090, Lublin, Poland
- 11.10 – 11.16** **042** **Bitemark analysis by 3d scanner: experimental study on human skin**
B. Beltrame¹, S. Santelli², E. Giovannini², A. De Luca¹, G. Nanetti³, S. Rizzo⁴, M. Schiraldi¹, P. Fais², A. Verzeletti¹
1. Institute of Legal Medicine, University of Brescia
2. Institute of Legal Medicine, University of Bologna
3. School of Medicine, University of Bologna
4. Institute of Odontology, University of Bologna
- 11.18 – 11.24** **044** **Establishing the Manner of Death: a 3D Reconstruction of a Case of Hanging**
L. Ambrosi^{}*
- 11.30 – 11.36** **046** **Death following burial under a snow avalanche: a case report**
C. Micera^{1,}, A. Islami^{1,*}, A. Tamburini^{1,*}, R. Russo^{1,*}, F. Ventura^{1,2,*}*
1 University of Genoa, Department of Legal and Forensic Medicine, Via Antonio De Toni 12, 16132 Genoa, Italy
2 Legal Medicine Unit, Polyclinic San Martino Hospital, Largo Rosanna Benzi 10, 16132 Genoa, Italy.
- 11.38 – 11.44** **048** **Gua Sha: unusual case of suspect strangulation solved by forensic “Ethno-Pathology”**
N. Martinelli^{1,}, F. Bagini¹, A. Mammana¹, Y. Chen¹*
1 Dipartimento di Medicina Legale e Scienze Forensi, Università degli Studi di Pavia

11.46 – 11.52

050 What do forensic pathologists ignore? An alternative, non-toxic method for FFPE tissue deparaffinization

G. Soldati^{1,}, D. Raniero¹, C. Saccardo¹, F. Ausania¹, D. De Leo¹, S. Turrina¹*
1 Department of Diagnostics and Public Health, Section of Forensic Medicine, Forensic Genetics Lab,
University of Verona, Italy

11.54 – 12.00

052 Unusual murder with a broadhead arrow shot from a bow

I. Grasso^{1,}, E. Cozzani^{1,*}, S. Lo Pinto^{1,*}, F. Ventura^{1,*}*
1 University of Genova, Department of Legal and Forensic Medicine, Via De Toni 12, 16132 Genova Italy

Award Committee

A. Oliva, F. Ventura, B. Solarino, M. Neri, E. Ventura Spagnolo