



UNIVERSITÀ  
DI PAVIA

Italian Group  
of Forensic Pathology

**XII National Congress**

# FORENSIC AUTOPSY RELOADED

*The legacy  
of the Magister  
in the Artificial  
Intelligence Era*

16<sup>th</sup> - 18<sup>th</sup> April 2026  
Aula Magna  
University of Pavia



**SIMLA**  
Società Italiana di Medicina Legale e delle Assicurazioni  
E DELLE SCIENZE FORENSI E CRIMINALISTICHE



**GTFI**





## Organizing Secretary

**Dipartimento di Sanità Pubblica,  
Medicina Sperimentale e Forense**

Unità di Medicina Legale e Scienze Forensi  
“A. Fornari” – Università di Pavia



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<https://www.gipf.it>  
[www.gipf2026.it](http://www.gipf2026.it)



[gipf.patologiforensiitaliani](https://www.instagram.com/gipf.patologiforensiitaliani)  
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GIPF Gruppo Italiano di Patologia Forense

We invite you to stay connected with our social media pages,  
where photos, updates, and information about GIPF 2026 congress will be published.



## XII National Congress - Italian Group of Forensic Pathology

### FORENSIC AUTOPSY RELOADED

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### Endorsed by:



**SIMLA**  
Società Italiana di Medicina Legale e delle Assicurazioni  
E DELLE SCIENZE FORENSI E CRIMINALISTICHE

**SIMLA**

Società Italiana di Medicina Legale e delle Assicurazioni



**IALM**

International Academy of Legal Medicine



**ECLFM**

European Council of Legal and Forensic Medicine



**GeFi**

Genetisti Forensi Italiani



**GTFI**

Associazione Scientifica - Tossicologi Forensi Italiani



Consulta Nazionale dei

Giovani Medici Legali Universitari

### In partnership with:



**UNIVERSITÀ DI PAVIA**

**Dipartimento di Sanità Pubblica,  
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## XII National Congress - Italian Group of Forensic Pathology



### FORENSIC AUTOPSY RELOADED *The legacy of the Magister in the Artificial Intelligence Era*

*Dear Colleagues,*

for the first time since the foundation of the Italian Group of Forensic Pathology (GIPF), the Triennial National Congress will take place from 16<sup>th</sup> to 18<sup>th</sup> April 2026 at the Aula Magna of the University of Pavia, the academic home of Professor Giovanni Pierucci, founding member and Emeritus President of the GIPF.

As anticipated by the title, *“Forensic Autopsy Reloaded. The Legacy of the Magister in the Artificial Intelligence Era”*, the 2026 edition will be dedicated to the memory of *Professor Pierucci*, a magister of legal medicine and forensic pathology, who was deeply rooted in autoptic and histopathological tradition, yet at the same time endowed with a modern vision, open to innovation and technological progress.

In continuity with previous GIPF National Congresses, the scientific program will be oriented toward multidisciplinary and the internationalization of forensic pathology. Speakers from National Scientific Societies (GeFI, GTFI, SIRM) and International Societies (IALM, ECLMF, JSLM) will participate, contributing to in-depth discussion of highly topical and complex issues that require specific technical expertise and represent the present and future challenges of the discipline. To encourage participation and discussion with international colleagues, all presentations will be available in both Italian and English, with simultaneous projection of the translated slides.

The plenary session on Thursday, 16<sup>th</sup> April, will be dedicated to recommendations for good forensic practice in medicolegal autopsy. The work of the GIPF and GTFI Committees will be presented, focusing on cardiac examination in judicial autopsy settings and on post-mortem forensic toxicology laboratory analyses.

Friday, 17<sup>th</sup> April, will be entirely devoted to the multidisciplinary approach to medicolegal autopsy in minors - from neonates to adolescents - an uncommon but highly relevant field, characterized by significant complexity and social impact, often also attracting media attention.

Finally, the morning of Saturday, 18<sup>th</sup> April, will focus on future developments in the discipline, namely the application of artificial intelligence in forensic pathology and related sub-disciplines such as histopathology and imaging. The aim will be to explore the potential, limitations, and risks of integrating AI technologies into complex contexts such as the interpretation of traumatic injuries, reconstruction of criminal dynamics, estimation of the post-mortem interval, and drafting of the autopsy report.

Thanks to the valuable collaboration of the *Consulta Nazionale dei Giovani Medici Legali Universitari*, ample space will be dedicated to Residents, PhD candidates, and young Researchers, who will have the opportunity to present their scientific work through oral communications during the Friday and Saturday sessions or through poster presentations on free topics. At the end of the Friday afternoon session, the members' assembly will be held for the renewal of the Executive Board.

In keeping with tradition, there will be opportunities for social interaction: in addition to the welcome cocktail at the end of the Thursday session and the gala dinner on Friday evening, an event open to the public is scheduled for the evening of 16<sup>th</sup> April, entitled *“From the postmortem table to the screen: the representation of autopsy in cinema”*. This event will provide an opportunity to engage in dialogue with actors, directors, and film journalists on the sometimes central role of the medicolegal autopsy in cinematic storytelling, accompanied by the screening of iconic scenes from Italian and international films.

Confident that the proposed topics will foster fruitful exchange and contribute to the growth of our discipline, we look forward to welcoming you in large numbers in Pavia to pay tribute to the *Legacy of the Magister*.

Kind regards,

**Antonio Oliva**  
President, GIPF

**Giovanni Cecchetto**  
President, GIPF 2026 Congress



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**Care Colleghe e Cari Colleghi,**

per la prima volta dalla fondazione del Gruppo Italiano di Patologia Forense, il Congresso Nazionale – a cadenza triennale – si svolgerà dal 16 al 18 aprile 2026 presso l’Aula Magna dell’Università degli Studi di Pavia, sede accademica del Prof. Giovanni Pierucci, socio fondatore e Presidente Emerito del GIPF.

Come anticipato dal titolo *“Forensic Autopsy Reloaded. The Legacy of the Magister in the Artificial Intelligence Era”*, l’edizione 2026 sarà dedicata alla memoria del Prof. Pierucci, maestro della medicina legale e patologo forense profondamente legato alla tradizione autoptica e istopatologica, ma al tempo stesso dotato di una visione moderna, aperta all’innovazione e al progresso tecnologico.

In continuità con i precedenti Congressi Nazionali GIPF, il programma sarà orientato alla multidisciplinarietà e all’internazionalizzazione della patologia forense. Interverranno relatori appartenenti a Società Scientifiche Nazionali (GeFI, GTFI, SIRM) e Internazionali (IALM, ECLMF, JSLM), che contribuiranno ad approfondire temi di grande attualità e complessità, richiedenti competenze tecniche specifiche e rappresentativi delle sfide presenti e future della disciplina. Per favorire la partecipazione e la discussione con i colleghi stranieri, tutte le presentazioni saranno disponibili in doppia versione, italiana e inglese, con proiezione simultanea della traduzione.

La sessione plenaria di giovedì 16 aprile sarà dedicata alle raccomandazioni per la buona pratica forense nell’autopsia medico-legale. Saranno presentati i lavori delle Commissioni GIPF e GTFI sull’esame del cuore in ambito autoptico giudiziario e sulle analisi di laboratorio in tossicologia forense post-mortem.

La giornata di venerdì 17 aprile sarà interamente focalizzata sull’approccio multidisciplinare nell’autopsia medico-legale del minorenne – dal neonato all’adolescente – un ambito raro, ma di grande rilevanza, complessità e impatto sociale, spesso anche mediatico.

Infine, la mattina di sabato 18 aprile sarà invece dedicata agli sviluppi futuri della disciplina, ovvero all’applicazione dell’intelligenza artificiale in patologia forense e nelle sub-discipline correlate, quali l’istopatologia e l’imaging. L’obiettivo sarà esplorare potenzialità, limiti e rischi dell’integrazione delle tecnologie AI in contesti complessi come l’interpretazione delle lesioni traumatiche, la ricostruzione delle dinamiche delittuose, la stima dell’epoca della morte e la redazione del verbale autoptico.

Grazie alla preziosa collaborazione della Consulta Nazionale dei Giovani Medici Legali Universitari, ampio spazio sarà riservato a Specializzandi, Dottorandi e giovani Ricercatori, che potranno presentare i propri lavori scientifici tramite comunicazioni orali nelle sessioni di venerdì e sabato o mediante esposizione di poster a tema libero. Al termine della sessione pomeridiana di venerdì si terrà l’assemblea dei soci per il rinnovo del Consiglio Direttivo.

Come da tradizione, non mancheranno momenti di convivialità: oltre al cocktail di benvenuto al termine della sessione di giovedì e alla cena di gala del venerdì sera, è previsto per la serata del 16 aprile un evento aperto alla cittadinanza dal titolo *“Dalla fantasia alla realtà: quando l’autopsia è un attore nel film”*. Sarà un’occasione per dialogare con attori, registi e critici cinematografici sul ruolo, talvolta centrale, dell’autopsia medico-legale nella narrazione cinematografica, con la proiezione di scene iconiche tratte da film italiani e internazionali.

Nella convinzione che i temi proposti possano stimolare una proficua condivisione e contribuire alla crescita della nostra disciplina, vi aspettiamo numerosi a Pavia per rendere omaggio all’Eredità del Maestro.

Un caro saluto,

**Antonio Oliva**  
Presidente GIPF

**Giovanni Cecchetto**  
President, GIPF 2026 Congress



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## FACULTY

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*Associate Professor of Legal Medicine*

*Director – Legal Medicine and Toxicology Unit*

*University of Padova*

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*Full Professor of Pathology*

*Director – Cardiovascular Pathology Unit*

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#### **Ernesto D'Aloja**

*Full Professor of Legal Medicine  
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*Past president - National Council of  
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*Consultant Radiologist  
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Board Member of SIRM  
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*Professor of Legal Medicine  
University Centre of Legal Medicine  
Lausanne-Geneva,  
Editor in chief of the IJLM  
Secretary of the IALM  
University of Geneva*

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*Assistant Professor of Legal Medicine  
University of Padova*

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*Secretary - National Council of  
Young University Legal Doctors  
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*Assistant Medical Examiner  
Research Director and International  
Observership Program Coordinator  
Cook County Medical Examiner's Office, Chicago*

#### **Francesco Introna**

*Full Professor of Legal Medicine  
President SIMLA  
University of Bari*



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#### **Toshikazu Kondo**

*Full Professor of Legal Medicine  
Editor in chief of Legal Medicine  
President JSLM  
International Relations IALM  
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*PhD candidate  
University of Bari*

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*Public Prosecutor's Office  
Court of Pavia*

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*Associate Professor of Legal Medicine  
Director – Legal Medicine Unit  
University of Ferrara*

#### **Caterina Offidani**

*Director – Legal Medicine Unit  
Children's Hospital "Bambin Gesù" of Roma*

#### **Antonio Oliva**

*Full Professor of Legal Medicine  
Director – Legal Medicine Unit  
President GIPF  
University "Cattolica del Sacro Cuore" of Roma*

#### **Fabrizio Pavone**

*Director - Psychiatric Diagnosis and Treatment Service  
ASST Pavia*

#### **Cristoforo Pomara**

*Full Professor of Legal Medicine  
Director – Legal Medicine Unit  
University of Catania*

#### **Maria Sole Prevedoni Gorone**

*Director – Paediatric Radiology Unit  
"San Matteo" Hospital of Pavia*

#### **Carlo Previderè**

*Associate Professor of Legal Medicine  
Director – Laboratory of Forensic Genetics  
University of Pavia*

#### **Noemi Procopio**

*Professor of Forensic Sciences  
Co-Chair International Affairs Committee AAFS  
Chair of Pathology/Biology Section AAFS  
University of Central Lancashire*

#### **Thomas Ruder**

*Consultant Emergency Radiologist  
Past Chair ISFRI  
University of Bern*



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#### **Sara Sablone**

*Board Member SIMLA*

*Polyclinic-University "Aldo Moro" of Bari*

#### **Antti Sajantila**

*Full Professor of Forensic Medicine*

*Director – PaleOmics laboratory*

*Vice President ECLFM*

*University of Helsinki*

#### **Biagio Solarino**

*Associate Professor of Legal Medicine*

*Director - School of Specialization in Legal Medicine*

*University of Bari*

#### **Sabina Strano Rossi**

*Associate Professor of Legal Medicine*

*Head – Laboratory of Forensic Toxicology*

*President GTFI*

*University "Cattolica del Sacro Cuore" of Roma*

#### **Camilla Tettamanti**

*Board Member SIMLA*

*ATS Liguria - ASL 3*

#### **Annette Thierauf-Emberger**

*Full Professor of Legal Medicine*

*Director – Institute of Legal Medicine*

*University of Freiburg*

#### **Francesco Ventura**

*Full Professor of Legal Medicine*

*Director – Legal Medicine Unit*

*Secretary GIPF*

*University of Genova*

#### **Elvira Ventura Spagnolo**

*Associate Professor of Legal Medicine*

*University of Messina*

#### **Andrea Verzeletti**

*Full Professor of Legal Medicine*

*Director – Legal Medicine Unit*

*University of Brescia*

#### **Guido Viel**

*Associate Professor of Legal Medicine*

*Director - School of Specialization in Legal Medicine*

*University of Padova*

#### **Silvia Damiana Visonà**

*Associate Professor of Legal Medicine*

*University of Pavia*



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16<sup>th</sup> April 2026

Aula Magna - University of Pavia

**02:00 pm**

Welcome and Opening Remarks

Rector of the University of Pavia

*Alessandro Reali*

Mayor of Pavia

*Michele Lissia*

Dean of the Faculty of Medicine and Surgery

*Cristina Tassorelli*

Vice-Rector for Medical Sciences

*Raffaele Bruno*

Director of the Department of Public Health,  
Experimental and Forensic Medicine

*Stefano Candura*

President of SIMLA

*Francesco Introna*

President of GIPF

*Antonio Oliva*

### The GIPF in the Land of the Magister Forensic autopsy: recommendations for good practice

Moderators: *Giovanni Cecchetto, Margherita Neri, Antonio Oliva*

**03:00 pm**

Forensic autopsy: past, present, and future

*Francesco Introna, Giovanni Cecchetto*

**03:20 pm**

Beyond “Recommendation No. R (99) 3  
and harmonisation of medico-legal autopsy rules”.

The key coordinating role of the ECLFM

*Antti Sajantila*

**03:40 pm**

Good clinical-assistive practice (RBPCA)  
for correct execution of the heart examination  
in judicial autopsy

*Biagio Solarino*

**04:00 pm**

Good laboratory practices  
in post-mortem forensic toxicology

*Federica Bortolotti*

**04:20 pm**

*Coffee break - Saloni del Rettorato*



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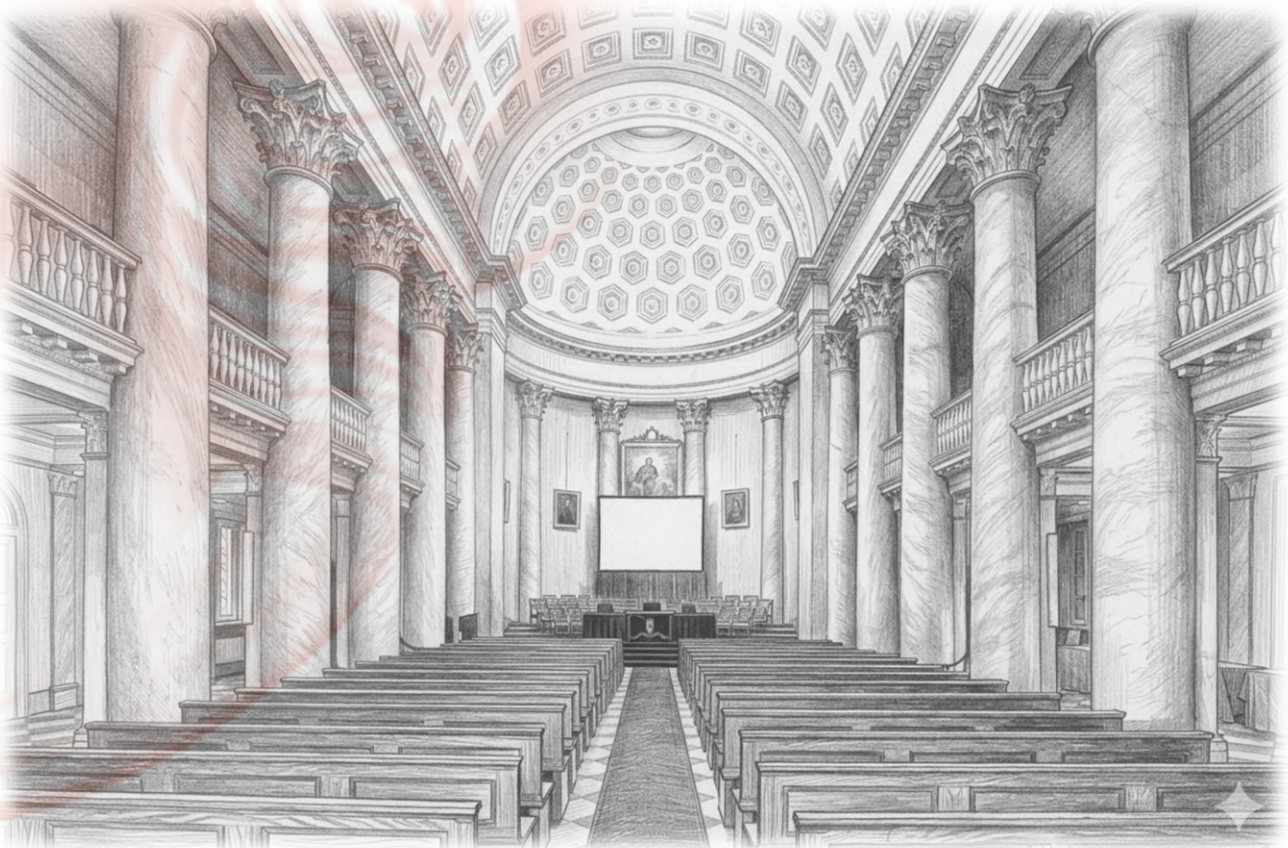


### FORENSIC AUTOPSY RELOADED

*The legacy of the Magister in the Artificial Intelligence Era*

- 04:40 pm** Traceability, collection, transport, preservation, and archiving of autopsy samples for forensic purposes:  
Is there a need for ministerial guidelines?  
*Carlo Previderè*
- 05:00 pm** Guidelines, recommendations, and best practices. The essential role of scientific journals  
*Cristina Cattaneo, Tony Fracasso, Toshikazu Kondo*
- 05:20 pm** The forensic autopsy.  
The Public Prosecutor's point of view  
*Fabio Napoleone*
- 05:40 pm** Discussion
- 06:00 pm** Ceremony in memory of Magister Prof. Pierucci, Founder and Emeritus President of the GIPF  
*Disciples and Family*  
*Yao Chen, Luca Tajana*

**06:30 pm** *Welcome cocktail - Aula Forlanini*





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16<sup>th</sup> April 2026

Aula del '400 - University of Pavia

## From the Autopsy Table to the Screen

The Representation of Autopsy in Cinema

Moderators: *Franco Marozzi, Alberto Fassina*

**08:00 pm**

An evening between fantasy and reality, images and words, to explore how cinema has managed to portray the delicate moment of the forensic autopsy.

Through the screening of iconic scenes from Italian and international films, an opportunity for dialogue with film critics and figures from both the big and small screen.





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17<sup>th</sup> April 2026

Aula Magna - University of Pavia

## The complexity of medico-legal autopsy in minors. The importance of a multidisciplinary approach

Moderators: *Anna Aprile, Tony Fracasso, Cristoforo Pomara*

- 09:00 am** Homicide of newborns, infants, children, and adolescents: forensic pathological patterns  
*Annette Thierauf-Emberger, Giorgia Franchetti*
- 09:20 am** Suspected paediatric non accidental head trauma. Autopsy findings and cervical spine dissection techniques  
*Lorenzo Gitto, Enrica Macorano*
- 09:40 am** Suicide and adolescence: deadly pressures between inner struggles and social influences  
*Fabrizio Pavone*
- 10:00 am** Accidental dynamics in the death of minors: the preventive role of forensic pathology  
*Toshikazu Kondo*
- 10:20 am** SIDS and the Liguria protocol  
*Francesco Ventura*
- 10:40 am** Professional liability in infant deaths  
*Caterina Offidani*

**11:00 am** *Coffee break - Saloni del Rettorato*

## Oral presentations

Moderators: *Cristian D'Ovidio, Giacomo Fassina, Rosa Maria Martinez*

- 11:20 am** NRF2 immunohistochemical expression in stillbirths: a potential marker of hyperacute fetal hypoxia  
*Maria Paola Bonasoni<sup>1</sup>, Jessika Camatti<sup>2</sup>, Anna Laura Santunione<sup>3</sup>, Arianna Giorgetti<sup>4</sup>, Yuko Ishida<sup>5</sup>, Toshikazu Kondo<sup>5</sup>, Rossana Cecchi<sup>3</sup>*  
*<sup>1</sup>Reggio Emilia, <sup>2</sup>Parma, <sup>3</sup>Modena, <sup>4</sup>Bologna, <sup>5</sup>Wakayama*
- 11:30 am** Myoglobin immunohistochemistry for the study of the fetal cardiac conduction system: applications in sudden unexplained intrauterine death  
*Sara Odaglia<sup>1</sup>, Giancarlo Abbona<sup>1</sup>, Eleonora Duregon<sup>1</sup>, Francesca Buffelli<sup>2</sup>, Sharon Duzioni<sup>2</sup>, Alessandro Bonsignore<sup>2</sup>, Isabella Castellano<sup>1</sup>, Francesco Lupariello<sup>1</sup>*  
*<sup>1</sup>Torino, <sup>2</sup>Genova*



## XII National Congress - Italian Group of Forensic Pathology



### FORENSIC AUTOPSY RELOADED

#### *The legacy of the Magister in the Artificial Intelligence Era*

- 11:40 am** A case series of adolescent suicides in the Bologna area: what are we missing?  
*Isabella Tatò<sup>1</sup>, Federica Monduzzi<sup>1</sup>, Leonardo Cucchini<sup>1</sup>, Filippo Pirani<sup>1</sup>, Paolo Fais<sup>1</sup>, Susi Pelotti<sup>1</sup>*  
<sup>1</sup>Bologna
- 11:50 am** Pediatric deaths due to neglect and remote abusive trauma: a retrospective study from the Cook County Medical Examiner's Office in Chicago  
*Ilaria Fracassi<sup>1</sup>, Antonietta Porzio<sup>1</sup>, Valentina Mormile<sup>1</sup>, Maria Rosaria Forte<sup>1</sup>, Carlo Pietro Campobasso<sup>1</sup>, Lorenzo Gitto<sup>1-2</sup>*  
<sup>1</sup>Napoli, <sup>2</sup>Chicago
- 12:00 pm** From national guidelines to regional practice: operationalizing the SIDS protocol in Marche  
*Denise Piano<sup>1</sup>, Marco Palpacelli<sup>1</sup>, Martina Cintio<sup>1</sup>, Paolo Di Filippo<sup>1</sup>, Francesco Paolo Busardò<sup>1</sup>, Loredana Buscemi<sup>1</sup>*  
<sup>1</sup>Ancona
- 12:10 pm** Beyond the autopsy: risk factors for targeted prevention in pediatric traumatic mortality  
*Giulia Riva<sup>1</sup>, Gilda Montefusco<sup>1</sup>, Andrea Musmanno<sup>1</sup>, Emanuele Sala<sup>1</sup>, Lorena Tomaiuolo<sup>2</sup>, Elena Scarparo<sup>2</sup>, Eva Grosso<sup>2</sup>*  
<sup>1</sup>Pavia, <sup>2</sup>Padova
- 12:20 pm** Unassisted Perinatal Deaths: to be, or not to be, is that the question?  
*Pasquale Padalino<sup>1</sup>, Giorgia Franchetti<sup>1</sup>, Eva Grosso<sup>1</sup>, Vanessa Thoma<sup>2</sup>, Annette Thierauf-Emberger<sup>2</sup>*  
<sup>1</sup>Padova, <sup>2</sup>Freiburg
- 12:30 pm** Autopsy investigation in juvenile suicide: a retrospective study from Milan (2020–2025)  
*Chiara Carsana<sup>1</sup>, Stefano Tambuzzi<sup>1</sup>, Cristina Cattaneo<sup>1</sup>*  
<sup>1</sup>Milano
- 12:40 pm** Medico-legal patterns in filicide-suicide cases: why do parents kill minors before attempting suicide?  
*Eugenia M. Leonzio<sup>1</sup>, Gianmarco Argentiero<sup>1</sup>, Eva Grosso<sup>2</sup>, Laura Secco<sup>2</sup>, Federica Amirante<sup>3</sup>, Laura Ambrosi<sup>3</sup>, Filippo Pirani<sup>4</sup>, Gennaro Baldino<sup>5</sup>*  
<sup>1</sup>Pavia, <sup>2</sup>Padova, <sup>3</sup>Bari, <sup>4</sup>Bologna, <sup>5</sup>Messina

**12:50 pm** *Lunch break - Saloni del Rettorato*





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17<sup>th</sup> April 2026

Aula Magna - University of Pavia

## The complexity of medico-legal autopsy in minors. The importance of a multidisciplinary approach

Moderators: *Carlo Campobasso, Laura Filograna, Luca Morini*

- 02:30 pm** Drug-related deaths in drug-naive adolescents  
*Sabina Strano Rossi*
- 02:50 pm** Molecular autopsy and juvenile sudden death:  
from morphological findings to molecular data  
*Loredana Buscemi*
- 03:10 pm** Pros and cons of post-mortem radiological studies in infants  
*Chandra Bortolotto, Maria Sole Prevedoni Gorone*
- 03:30 pm** Beyond the classical triad of post-mortem changes:  
challenges and innovative approaches  
to the estimation of the time since death  
*Noemi Procopio*

**03:50 pm** *Coffee break - Aula Forlanini*

## Oral presentations

Moderators: *Giorgio Bollino, Elena Giovannini, Elvira Ventura Spagnolo*

- 04:10 pm** History of filicides: a retrospective analysis of cases in Parma  
over the last 50 years  
*Francesco Gabrielli<sup>1</sup>, Sara Dagoli<sup>1</sup>, Valentina Bugelli<sup>1</sup>*  
<sup>1</sup>Parma
- 04:20 pm** Autopsy in sudden unexpected death occurring during the first year of life  
(SUID and SIDS): institutional experience from the  
Polyclinic University Hospital of Palermo  
*Tommaso D'Anna<sup>1,2</sup>, Ginevra Malta<sup>2</sup>, Antonina Argo<sup>2</sup>, Ada Maria Florena<sup>2</sup>,  
Stefania Zerbo<sup>2</sup>, Giuseppe Davide Albano<sup>2</sup>, Elisabetta Orlando<sup>2</sup>,  
Beatrice Belmonte<sup>2</sup>, Emiliano Maresi<sup>2</sup>*  
<sup>1</sup>Roma, <sup>2</sup>Palermo
- 04:30 pm** Patterns and differences in pediatric homicides:  
a 25-Year retrospective analysis from Germany and Italy  
*Eva Grosso<sup>1</sup>, Ilaria Fiore<sup>1</sup>, Laura Lissandrini<sup>1</sup>, Giulia Riva<sup>2</sup>, Gianmarco Argentiero<sup>2</sup>,  
Giovanni Dal Lago<sup>3</sup>, Lucia Candela<sup>4</sup>, Filippo Pirani<sup>3</sup>, Gennaro Baldino<sup>4</sup>,  
Vanessa Thoma<sup>5</sup>, Giorgia Franchetti<sup>1</sup>, Annette Thierauf-Emberger<sup>5</sup>*  
<sup>1</sup>Padova, <sup>2</sup>Pavia, <sup>3</sup>Bologna, <sup>4</sup>Messina, <sup>5</sup>Freiburg



## XII National Congress - Italian Group of Forensic Pathology



### FORENSIC AUTOPSY RELOADED

*The legacy of the Magister in the Artificial Intelligence Era*

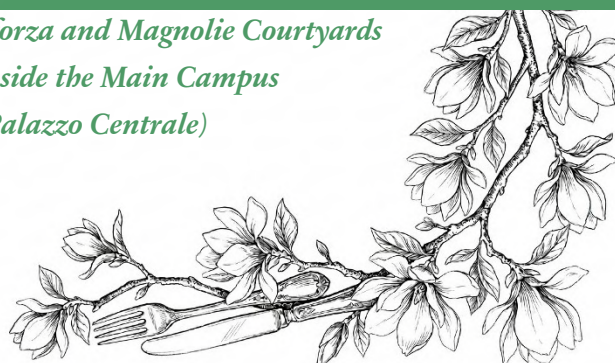
- 04:40 pm** Micro-CT for the differentiation between live birth and stillbirth  
*Agnese Accogli<sup>1</sup>, Giancarlo Abbona<sup>1</sup>, Giovanni Botta<sup>1</sup>, Tullio Genova<sup>1</sup>, Martina Perin<sup>1</sup>, Federico Davide Mussano<sup>1</sup>, Francesca Buffelli<sup>2</sup>, Sharon Duzioni<sup>2</sup>, Alessandro Bonsignore<sup>2</sup>, Isabella Castellano<sup>1</sup>, Francesco Lupariello<sup>1</sup>*  
<sup>1</sup>Torino, <sup>2</sup>Genova
- 04:50 pm** The hidden vessel: forensic autopsy techniques for the examination of the ductus venosus in fetal and perinatal deaths  
*Sharon Duzioni<sup>1</sup>, Francesca Buffelli<sup>1</sup>, Francesco Lupariello<sup>2</sup>, Valerio Gaetano Vellone<sup>1</sup>, Ezio Fulcheri<sup>1</sup>, Alessandro Bonsignore<sup>1</sup>*  
<sup>1</sup>Genova, <sup>2</sup>Torino
- 05:00 pm** The pathology of starvation: a systematic review of forensic evidence  
*Federica Amirante<sup>1</sup>, Fortunato Pittitto<sup>1</sup>, Giuseppe Pulin<sup>1</sup>, Roberto Bellacicco<sup>1</sup>, Elisa Paladini<sup>1</sup>, Gerardo Cazzato<sup>1</sup>, Laura Ambrosi<sup>1</sup>, Luca Amedeo Semeraro<sup>1</sup>, Roberta Verna<sup>1</sup>, Maricla Marrone<sup>1</sup>, Biagio Solarino<sup>1</sup>*  
<sup>1</sup>Bari
- 05:10 pm** Fatal blunt abdominal trauma in a child abuse context: a forensic case of jejunal blow-out perforation  
*Sofia Memoli<sup>1</sup>, Jessika Camatti<sup>2</sup>, Francesca Poli<sup>3</sup>, Simona Vecchio<sup>1</sup>, Giuseppe Mammola<sup>1</sup>, Alessia Cariglino<sup>1</sup>, Davide Pingaro<sup>1</sup>, Anna Laura Santunione<sup>1</sup>*  
<sup>1</sup>Modena, <sup>2</sup>Parma, <sup>3</sup>Cremona
- 05:20 pm** Forensic autopsy in pediatric mortality: epidemiological patterns, causes of death, and a multidisciplinary forensic approach in a retrospective series of 79 cases  
*Mauro Midiri<sup>1</sup>, Marco Piraino<sup>1</sup>, Ginevra Malta<sup>1</sup>, Giuseppe Davide Albano<sup>1</sup>, Maria Puntarello<sup>1</sup>, Tommaso D'Anna<sup>1</sup>, Stefania Zerbo<sup>1</sup>, Antonina Argo<sup>1</sup>*  
<sup>1</sup>Palermo
- 05:30 pm** The role of pediatric autopsy in the medico-legal evaluation of professional responsibility: a Wilms tumor case  
*Isabella Caristo<sup>1</sup>, Rosario Barranco<sup>1</sup>, Paolo Nozza<sup>1</sup>, Francesco Ventura<sup>1</sup>*  
<sup>1</sup>Genova

**05:40 pm** Discussion

**06:00 pm** GIPF General Assembly

**08:00 pm** Social Dinner

*Sforza and Magnolie Courtyards  
inside the Main Campus  
(Palazzo Centrale)*





XII National Congress - Italian Group of Forensic Pathology

FORENSIC AUTOPSY RELOADED

*The legacy of the Magister in the Artificial Intelligence Era*



18<sup>th</sup> April 2026

Aula Magna - University of Pavia

## Back to the future Forensic pathology in the era of Artificial Intelligence

Moderators: *Rossana Cecchi, Andrea Verzeletti, Guido Viel*

- 09:00 am** Artificial Intelligence: findings and perspectives  
*Claudio Cusano*
- 09:30 am** AI and time-of-death estimation:  
precision, accuracy, and limits  
*Ernesto D'Aloja*
- 09:50 am** The role of artificial intelligence  
in cardiovascular pathology  
*Cristina Basso*
- 10:10 am** The pathologist's virtual eye:  
AI and forensic imaging in the 21st century  
*Thomas Ruder*
- 10:30 am** Automation of the autopsy report:  
risks, potential, and application prospects in the use of AI  
*Nico Curti, Paolo Fais*

**10:50 am** *Coffee break - Magnolie Courtyards*

## Oral presentations

Moderators: *Roberto Demontis, Mariagrazia Marisei, Silvia D. Visonà*

- 11:10 am** Low voltage electron microscopy: practical advantages and forensic applications  
*Sara Bombardelli<sup>1</sup>, Jaromir Bacovsky<sup>2</sup>*  
*<sup>1</sup>Media System Lab, <sup>2</sup>Delong Instruments*
- 11:20 am** Artificial intelligence in forensic identification and age assessment:  
reliability, limits and professional responsibility  
*Jessika Camatti<sup>1</sup>, Valentina Bugelli<sup>1</sup>, Francesco Calabrò<sup>1</sup>, Laura Donato<sup>2</sup>,  
Rossana Cecchi<sup>3</sup>, Marco Di Paolo<sup>4</sup>, Lorenzo Franceschetti<sup>5</sup>*  
*<sup>1</sup>Parma, <sup>2</sup>Rome, <sup>3</sup>Modena, <sup>4</sup>Pisa, <sup>5</sup>Milano*
- 11:30 am** Digital quantification of fibrosis in the His bundle:  
a preliminary autopsy study using a commercial pattern recognition system  
*Davide Gorga<sup>1</sup>, Alessandro Feola<sup>1</sup>, Carlo Pietro Campobasso<sup>1</sup>, Giuseppe Parisi<sup>1</sup>,  
Giuseppe D'Abbronzio<sup>1,2</sup>, Emanuele Capasso<sup>1</sup>, Renato Franco<sup>1</sup>, Andrea Ronchi<sup>1</sup>*  
*<sup>1</sup>Napoli, <sup>2</sup>Aversa*



## XII National Congress - Italian Group of Forensic Pathology



### FORENSIC AUTOPSY RELOADED

*The legacy of the Magister in the Artificial Intelligence Era*

**11:40 am**

A deep learning approach of forensic interest for automated segmentation and classification of skin wounds caused by blunt, sharp or gunshot trauma

*Elena Lacchè<sup>1</sup>, Nico Curti<sup>1</sup>, Ester Cavalli<sup>1</sup>, Paolo Fais<sup>1</sup>, Guido Pelletti<sup>1</sup>, Filippo Pirani<sup>1</sup>, Susi Pelotti<sup>1</sup>, Arianna Giorgetti<sup>1</sup>*

<sup>1</sup>Bologna

**11:50 am**

AI in post-mortem cranial CT analysis of gunshot injuries:

a pilot study on multimodal LLM performance in gunshot wound investigation

*Laura Secco<sup>1</sup>, Stefano Palumbi<sup>1</sup>, Pasquale Padalino<sup>1</sup>, Eva Grosso<sup>1</sup>, Benedetta Trentarossi<sup>2</sup>, Veronica Sala<sup>2</sup>, Antonino Lavenia<sup>3</sup>, Giuseppe Mammola<sup>3</sup>, Giovanni Dal Lago<sup>4</sup>, Elena Giovannini<sup>4</sup>, Giorgia Rigano<sup>5</sup>, Salvatore Spatola<sup>5</sup>*

<sup>1</sup>Padova, <sup>2</sup>Pavia, <sup>3</sup>Modena, <sup>4</sup>Bologna, <sup>5</sup>Messina

**12:00 pm**

Digital pathology in forensic science: a systematic review of the literature with a focus on machine learning applications

*Gianmarco Argentiero<sup>1</sup>, Laura Ambrosi<sup>2</sup>, Federica Amirante<sup>2</sup>, Simona Nicoli<sup>3</sup>, Andrea Marzullo<sup>2</sup>, Giuseppe Ingravallo<sup>2</sup>, Davide Ferorelli<sup>2</sup>, Biagio Solarino<sup>2</sup>*

<sup>1</sup>Pavia, <sup>2</sup>Bari, <sup>3</sup>Roma

**12:10 pm**

AI-assisted forensic analysis of hanging-related ligature marks:

a pilot study using convolutional neural networks

*Giorgia Rigano<sup>1</sup>, Lucia Candela<sup>1</sup>, Dario Bruneo<sup>1</sup>, Salvatore De Caro<sup>1</sup>, Salvatore Ruben Spatola<sup>1</sup>, Sabrina Petralia<sup>1</sup>, Domenico Abramo<sup>1</sup>, Giorgia Burrascano<sup>1</sup>, Gennaro Baldino<sup>1</sup>*

<sup>1</sup>Messina

**12:20 pm**

Will artificial intelligence replace the forensic pathologist?

Inferential reasoning vs. correlational pattern-matching

*Andrea Costantino<sup>1</sup>, Martina Focardi<sup>1</sup>, Ilenia Bianchi<sup>1</sup>, Edoardo Orlandi<sup>1</sup>, Beatrice Defraia<sup>1</sup>, Maurizia Tiberio<sup>1</sup>, Simone Grassi<sup>1</sup>, Vilma Pinchi<sup>1</sup>*

<sup>1</sup>Firenze

**12:30 pm**

Discussion

**13:00 pm**

Presentation of best posters

**13:20 pm**

Prizes and closing remarks





XII National Congress - Italian Group of Forensic Pathology



FORENSIC AUTOPSY RELOADED

*The legacy of the Magister in the Artificial Intelligence Era*

From 17<sup>th</sup> April 2026 - 03.30 pm  
to 18<sup>th</sup> April 2026 - 01.00 pm

Aula di Disegno - University of Pavia

## Poster Session

Moderators: *Sara Sablone, Camilla Tettamanti*

### Pediatric Topic

A mother's love: the manual strangulation of a child by his depressed mother – A case report

*Robert Luta<sup>1</sup>, Sofia Incarnato<sup>1</sup>, Federica Lena<sup>1</sup>, Rosario Barranco<sup>1</sup>, Francesco Ventura<sup>1</sup>*

<sup>1</sup>Genova

Accidental mechanical asphyxia in unsafe sleep environments:

a multidisciplinary forensic approach to SUDI diagnosis in two infant cases

*Alessandro Paggetti<sup>1</sup>, Filippo Cortesi<sup>1</sup>, Elisa Esposito<sup>1</sup>, Manuela Mecarello<sup>1</sup>, Angelo Montana<sup>1</sup>*

<sup>1</sup>Ancona

Accidental pediatric deaths: forensic evaluation of airways obstruction and related fatal events

*Francesca Filippucci<sup>1</sup>, Francesco Paolo Busardò<sup>2</sup>, Loredana Buscemi<sup>2</sup>*

<sup>1</sup>Rimini, <sup>2</sup>Ancona

Cerebral venous sinus thrombosis in children: lessons from a rare and fatal case

*Beatrice Salsano<sup>1</sup>, Giuseppe Di Pietrantonio<sup>1</sup>, Isabella Caristo<sup>1</sup>, Francesco Ventura<sup>1</sup>*

<sup>1</sup>Genova

Dark web drugs and dangerous games

*Kiti Doci<sup>1</sup>, Gaetano Bulfamante<sup>2</sup>, Valentina Bugelli<sup>1</sup>*

<sup>1</sup>Parma, <sup>2</sup>Milano

Death of a newborn following a reported accidental fall:

abusive head trauma (AHT) or professional liability?

*Salvatore Ruben Spatola<sup>1</sup>, Guglielmo Catalioto<sup>1</sup>, Pietro Tarzia<sup>2</sup>, Barbara Russo<sup>3</sup>, Domenico Abramo<sup>1</sup>,*

*Lucia Candela<sup>1</sup>, Giorgia Rigano<sup>1</sup>, Sabrina Petralia<sup>1</sup>, Giorgia Burrascano<sup>1</sup>, Gennaro Baldino<sup>1</sup>*

<sup>1</sup>Messina, <sup>2</sup>Catanzaro, <sup>3</sup>Milazzo

Delayed diagnosis of post-intubation tracheal stenosis after short-term intubation

in a 7-year-old girl: a fatal case and medico-legal considerations

*Sabrina Petralia<sup>1</sup>, Giorgia Burrascano<sup>1</sup>, Barbara Russo<sup>2</sup>, Salvatore Spatola<sup>1</sup>, Pietro Tarzia<sup>3</sup>, Lucia Candela<sup>1</sup>,*

*Giorgia Rigano<sup>1</sup>, Domenico Abramo<sup>1</sup>, Gennaro Baldino<sup>1</sup>*

<sup>1</sup>Messina, <sup>2</sup>Milazzo, <sup>3</sup>Catanzaro

Delayed fatal outcome of healthcare-associated *Citrobacter koseri* meningoenophthalitis

in a preterm infant: forensic autopsy and medico-legal assessment

of a seven-month clinical evolution

*Elisa Messina<sup>1</sup>, Lucrezia Lombardi<sup>1</sup>, Margherita Birga<sup>1</sup>, Francesco Ventura<sup>1</sup>*

<sup>1</sup>Genova



**FORENSIC AUTOPSY RELOADED**

*The legacy of the Magister in the Artificial Intelligence Era*

Delayed neonatal death after severe head trauma:  
forensic autopsy in the assessment of traumatic causality  
*Fabio Comero<sup>1</sup>, Rita Russo<sup>1</sup>, Isabella Caristo<sup>1</sup>, Francesco Ventura<sup>1</sup>*  
<sup>1</sup>Genova

Desire or obsession of motherhood? The tragedy of infanticide  
*Lucia Candela<sup>1</sup>, Giorgia Rigano<sup>1</sup>, Salvatore Ruben Spatola<sup>1</sup>, Sabrina Petralia<sup>1</sup>, Domenico Abramo<sup>1</sup>,  
Giorgia Burrascano<sup>1</sup>, Pietro Tarzia<sup>2</sup>, Gennaro Baldino<sup>1</sup>*  
<sup>1</sup>Messina, <sup>2</sup>Catanzaro

Evaluating long-term outcomes in a child with AIDS and JC-virus infection  
*Simone Bianchini<sup>1</sup>, Simone Santelli<sup>1</sup>, Davide Lorenzon<sup>1</sup>, Chiara Finizio<sup>1</sup>, Elena Giovannini<sup>1</sup>*  
<sup>1</sup>Bologna

Fatal disseminated blastomycosis in a migrant adolescent: a forensic autopsy case report  
*Maria Puntarello<sup>1</sup>, Marco Piraino<sup>1</sup>, Mauro Midiri<sup>1</sup>, Simona Pellerito<sup>1</sup>, Martina Ciriminna<sup>1</sup>, Antonina Argo<sup>1</sup>*  
<sup>1</sup>Palermo

Fatal gastric aspiration in a 23-month-old child:  
forensic assessment of congenital anomalies and medical errors  
*Ilaria Fiore<sup>1</sup>, Laura Lissandrini<sup>1</sup>, Elena Scarparo<sup>1</sup>, Lorena Tomaiuolo<sup>1</sup>, Eva Grosso<sup>1</sup>, Oriana Cuman<sup>1</sup>,  
Renzo Giordano<sup>1</sup>, Alessia Viero<sup>1</sup>*  
<sup>1</sup>Padova

Fatal hemolytic uremic syndrome in a child due to Shiga toxin-producing Escherichia coli:  
a clinical-autopsy correlation  
*Artiola Islami<sup>1</sup>, Emanuele Vicario<sup>1</sup>, Rosario Barranco<sup>1</sup>, Francesco Ventura<sup>1</sup>*  
<sup>1</sup>Genova

Fatal high fall of two brothers in the context of childhood risk-taking  
*Nicola Scarabello<sup>1</sup>, Martina Ferracci<sup>1</sup>, Guido Pelletti<sup>1</sup>, Anna Laura Santunione<sup>2</sup>,  
Rossana Cecchi<sup>2</sup>, Susi Pelotti<sup>1</sup>*  
<sup>1</sup>Bologna, <sup>2</sup>Modena

Fatal oleander poisoning in a 17-year-old girl: a forensic autopsy case report  
*Angela Cornacchia<sup>1</sup>, Elena Lacchè<sup>1</sup>, Maria Paola Bonasoni<sup>1</sup>*  
<sup>1</sup>Bologna

Fatal pediatric meningoencephalitis with atypical onset:  
the decisive role of forensic autopsy in cause-of-death determination  
*Mauro Midiri<sup>1</sup>, Maria Puntarello<sup>1</sup>, Emanuele Lo Rito<sup>1</sup>, Ginevra Malta<sup>1</sup>, Giovanni Bartoloni<sup>2</sup>,  
Giuseppe Davide Albano<sup>1</sup>, Antonina Argo<sup>1</sup>*  
<sup>1</sup>Palermo, <sup>2</sup>Catania

Forensic assessment of sudden death in pediatric age:  
the role of the scene investigation and autoptic examinations  
*Rita Russo<sup>1</sup>, Fabio Comero<sup>1</sup>, Paolo Nozza<sup>1</sup>, Isabella Caristo<sup>1</sup>, Francesco Ventura<sup>1</sup>*  
<sup>1</sup>Genova

Forensic autopsy in pediatric deaths: diagnostic and medico-legal implications  
of an unsuspected pulmonary vascular disease  
*Paola Bonasoni<sup>1</sup>, Luca Berti<sup>1</sup>, Leonardo Cucchini<sup>1</sup>*  
<sup>1</sup>Bologna



## XII National Congress - Italian Group of Forensic Pathology



### FORENSIC AUTOPSY RELOADED

#### *The legacy of the Magister in the Artificial Intelligence Era*

Hidden fragility: sudden death in Ehlers–Danlos syndrome – a case report and literature review  
*Paolo Di Filippo<sup>1</sup>, Giuliano Di Stefano<sup>1</sup>, Marco Palpacelli<sup>1</sup>, Francesco Paolo Busardò<sup>1</sup>, Loredana Buscemi<sup>1</sup>*  
<sup>1</sup>Ancona

Hidden threat: COC-associated massive fatal pulmonary embolism in a healthy adolescent  
*Giovanni Dal Lago<sup>1</sup>, Elena Giovannini<sup>1</sup>, Maria Paola Bonasoni<sup>1</sup>*  
<sup>1</sup>Bologna

Homicide of a minor perpetrated by another minor with multiple gunshots to the face and concealing of the body. Case report and literature review  
*Federica Monduzzi<sup>1</sup>, Davide Lorenzon<sup>1</sup>*  
<sup>1</sup>Bologna

Limits of postmortem interval and survival-time estimation in neonatal hypothermia deaths  
*Laura Ambrosi<sup>1</sup>, Federica Amirante<sup>1</sup>, Luca Semeraro<sup>1</sup>, Roberta Verna<sup>1</sup>, Biagio Solarino<sup>1</sup>*  
<sup>1</sup>Bari

Management of neurological complications and multi-organ failure in complex congenital heart disease: a forensic pathology perspective  
*Lucrezia Lombardi<sup>1</sup>, Elisa Messina<sup>1</sup>, Federica Lena<sup>1</sup>, Francesco Ventura<sup>1</sup>*  
<sup>1</sup>Genova

Maternal double filicide by combined strangulation and smothering: a forensic case report  
*Domenico Abramo<sup>1</sup>, Cataldo Raffino<sup>2</sup>, Barbara Russo<sup>3</sup>, Salvatore Spatola<sup>1</sup>, Lucia Candela<sup>1</sup>, Giorgia Rigano<sup>1</sup>, Sabrina Petralia<sup>1</sup>, Giorgia Burrascano<sup>1</sup>, Gennaro Baldino<sup>1</sup>*  
<sup>1</sup>Messina, <sup>2</sup>Enna, <sup>3</sup>Milazzo

Minor or adult? A post-mortem case with conflicting skeletal and dental age indicators and relevant legal implications  
*Alessia Brandimarti<sup>1</sup>, Flavia Inchingolo<sup>1</sup>, Vera Merelli<sup>2</sup>, Luisa Andrello<sup>2</sup>, Matteo Moretti<sup>2</sup>, Nikolaos Angelakopoulos<sup>3</sup>, Alcide Alessandro Azzena<sup>4</sup>, Rosa Maria Martinez<sup>2</sup>*  
<sup>1</sup>Pavia, <sup>2</sup>Bellinzona, <sup>3</sup>Bern, <sup>4</sup>Lugano

Not only the heart: autopsy findings and alternative causes in sudden infant death  
*Martina Cintio<sup>1</sup>, Marco Palpacelli<sup>1</sup>, Carlo Seracchioli<sup>1</sup>, Angelo Montana<sup>1</sup>, Francesco Paolo Busardò<sup>1</sup>, Loredana Buscemi<sup>1</sup>*  
<sup>1</sup>Ancona

On a particular case of undetected asphyxia in a 5-year-old child  
*Silvia Quarticelli<sup>1</sup>, Antonio Maria Catena<sup>1</sup>, Cristian D'Ovidio<sup>2</sup>*  
<sup>1</sup>Roma, <sup>2</sup>Chieti

Patterns of adolescent mortality:  
a retrospective study from the Institute of Legal Medicine of Modena (2010–2024)  
*Davide Mario Pingaro<sup>1</sup>, Antonino Lavenia<sup>2</sup>, Giuseppe Mammola<sup>1</sup>, Alessia Cariglino<sup>1</sup>, Sofia Memoli<sup>1</sup>, Anna Laura Santunione<sup>1</sup>*  
<sup>1</sup>Modena, <sup>2</sup>Pavia

Pediatric death due to cervical crushing: multidisciplinary assessment of the causal link  
*Vittoria Greco<sup>1</sup>, Andrea Guidetti<sup>2</sup>, Valentina Bugelli<sup>1</sup>*  
<sup>1</sup>Parma, <sup>2</sup>Grosseto



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Pediatric death due to complications of a left hemispheric cerebellar abscess secondary to otomastoiditis from streptococcal otitis media: description of an autopsy case  
*Emanuele Vicario<sup>1</sup>, Artiola Islami<sup>1</sup>, Rosario Barranco<sup>1</sup>, Francesco Ventura<sup>1</sup>*

<sup>1</sup>Genova

Pediatric road traffic fatality: reconstruction child occupant position and safety restraint use  
*Giuseppe Di Pietrantonio<sup>1</sup>, Beatrice Salsano<sup>1</sup>, Isabella Caristo<sup>1</sup>, Francesco Ventura<sup>1</sup>*

<sup>1</sup>Genova

Pediatric sudden cardiac death associated with congenital coronary artery anomalies: a three-case series

*Chiara Finizio<sup>1</sup>, Elena Fiorucci<sup>1</sup>, Fabio Rabo<sup>1</sup>*

<sup>1</sup>Bologna

Sudden and unexpected death in a 2-month-old infant with congenital tracheal stenosis and bilateral arcuate nucleus agenesis

*Marco Piraino<sup>1</sup>, Mauro Midiri<sup>1</sup>, Bianca Beltrame<sup>2</sup>, Tommaso D'Anna<sup>1,3</sup>, Stefania Zerbo<sup>1</sup>, Emiliano Maresi<sup>1</sup>, Antonina Argo<sup>1</sup>*

<sup>1</sup>Palermo, <sup>2</sup>Brescia, <sup>3</sup>Roma

Sudden death in a child with suspected low-voltage electrocution: a forensic case investigation

*Simone Santelli<sup>1</sup>, Giovanni Dal Lago<sup>1</sup>, Sara Lippi<sup>1</sup>, Alberto Gualandi<sup>1</sup>, Elena Giovannini<sup>1</sup>, Maria Paola Bonasoni<sup>1</sup>*

<sup>1</sup>Bologna

Sudden infant death: natural or accident? A case report

*Marcello Seligardi<sup>1</sup>, Gaetano Bulfamante<sup>2</sup>, Valentina Bugelli<sup>1</sup>*

<sup>1</sup>Parma, <sup>2</sup>Milano

Sudden unexpected death in a preschool child:

a case report of acute myocarditis on left ventricular hypertrophy

*Sofia Incarnato<sup>1</sup>, Robert Luta<sup>1</sup>, Margherita Birga<sup>1</sup>, Giulio Fraternali Orcioni<sup>2</sup>, Rosario Barranco<sup>1</sup>, Francesco Ventura<sup>1</sup>*

<sup>1</sup>Genova, <sup>2</sup>Cuneo

Suspected COVID-19 after alleged emergency department mismanagement:

an infant death case of alveolar capillary dysplasia

*Lorenzo Franceschetti<sup>1</sup>, Francesca Buffelli<sup>2</sup>*

<sup>1</sup>Milano, <sup>2</sup>Genova

The wolf and the pack: a criminogenic analysis of a minor's homicide

*Antonio Maria Catena<sup>1</sup>, Silvia Quarticelli<sup>1</sup>, Cristian D'Ovidio<sup>2</sup>*

<sup>1</sup>Roma, <sup>2</sup>Chieti

When a fracture is not a fracture: cranial bone overlapping in a macerated foetus and forensic implications

*Sharon Duzioni<sup>1</sup>, Francesca Buffelli<sup>1</sup>, Francesco Lupariello<sup>2</sup>, Stefano Tambuzzi<sup>3</sup>, Alessandro Bonsignore<sup>1</sup>*

<sup>1</sup>Genova, <sup>2</sup>Torino, <sup>3</sup>Milano



Open Topic

Beyond classical evisceration: is forensic autopsy a result-oriented practice?

*Irene Bortoluzzi<sup>1</sup>, Erika D'Agostini<sup>1</sup>, Maria Buffon<sup>1</sup>, Raffaella Vetrini<sup>1</sup>*

<sup>1</sup>Trieste

Beyond morphology: the diagnostic impact of postmortem microbiology in two forensic infectious deaths

*Anna Laura Santunione<sup>1</sup>, Jessika Camatti<sup>2</sup>, Maria Paola Bonasoni<sup>3</sup>, Rossana Cecchi<sup>1</sup>*

<sup>1</sup>Modena, <sup>2</sup>Parma, <sup>3</sup>Reggio Emilia

Cell-type-specific inflammatory patterns in acute ischemic heart disease revealed by osteopontin and NLRP3 in forensic autopsy hearts

*Yumi Kuninaka<sup>1</sup>, Yuko Ishida<sup>1</sup>, Stefano Palumbi<sup>1,2</sup>, Mizuho Nosaka<sup>1</sup>, Hiroki Yamamoto<sup>1</sup>, Etsu Wakita<sup>1</sup>, Miyu Osako<sup>1</sup>, Wei Zhang<sup>1</sup>, Reiko Matsuki<sup>1</sup>, Momoko Munekawa<sup>1</sup>, Akihiko Kimura<sup>1</sup>,*

*Guido Viel<sup>2</sup>, Toshikazu Kondo<sup>1</sup>*

<sup>1</sup>Wakayama, <sup>2</sup>Padova

Findings of death due to hypothermia: from myth to reality

*Dario Raniero<sup>1</sup>, Giuseppe Basile<sup>1</sup>, Federica Bortolotti<sup>1</sup>*

<sup>1</sup>Verona

Filamin C (FLNC) truncating mutation in a fatal arrhythmogenic left ventricular cardiomyopathy (ALVC)

*Francesco Simonit<sup>1</sup>, Ugo Da Broi<sup>1</sup>, Angela Valentina D'Elia<sup>1</sup>, Dora Fabbro<sup>1</sup>, Catia Mio<sup>1</sup>, Rossana Bussani<sup>2</sup>, Lorenzo Desinan<sup>1</sup>*

<sup>1</sup>Udine, <sup>2</sup>Trieste

Forensic autopsy databases in different countries

*Yosuke Usumoto<sup>1</sup>, Takako Sato<sup>2</sup>, Tomoya Ikeda<sup>3</sup>, Mariko Kawaguchi<sup>4</sup>, Toshikazu Kondo<sup>4</sup>*

<sup>1</sup>Kyushu, <sup>2</sup>Osaka, <sup>3</sup>Saga, <sup>4</sup>Wakayama

Forensic discrimination of death mechanisms in disaster settings: a comparative autopsy study

*Tommaso Bruscin<sup>1</sup>, Filippo Bolzan<sup>1</sup>, Stefano Di Maria<sup>1</sup>, Ibrahim Al-Habash<sup>1</sup>*

<sup>1</sup>Trieste

Forensic investigations on a pre-skeletonized body:

the importance of multidisciplinary in forensic pathology

*Anna Antonia Capurso<sup>1</sup>, Sara Di Trani<sup>1</sup>, Alessandro Cristalli<sup>1</sup>, Angela Colucci<sup>1</sup>, Antonio Marzaioli<sup>1</sup>, Mariapia Magistro<sup>1</sup>, Federica Mele<sup>1</sup>, Domenico Urso<sup>2</sup>, Valeria Santoro<sup>1</sup>, Francesco Paolo Busardò<sup>3</sup>,*

*Francesco Introna<sup>1</sup>*

<sup>1</sup>Bari, <sup>2</sup>Francavilla, <sup>3</sup>Ancona

Hesitation marks or something else?

The importance of an inter-culturally approach in forensic pathology

*Diletta Losacco<sup>1</sup>, Giuseppe Pulin<sup>1</sup>, Roberto Bellacicco<sup>1</sup>, Davide Isceri<sup>1</sup>, Mauro Manchisi<sup>1</sup>, Elisa Paladini<sup>1</sup>, Fortunato Pititto<sup>2</sup>, Maricla Marrone<sup>1</sup>, Noemi Nuzzo<sup>1</sup>*

<sup>1</sup>Bari, <sup>2</sup>Lecce



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## FORENSIC AUTOPSY RELOADED

*The legacy of the Magister in the Artificial Intelligence Era*

Peri-operative death in major non-cardiac surgery: a forensic approach

*Agnese Accogli<sup>1</sup>, Margherita Neri<sup>2</sup>, Lucia Tattoli<sup>1</sup>*

<sup>1</sup>Torino, <sup>2</sup>Ferrara

Presumed death certification: medico-legal and bioethical reflections

*Albert Felix Cosnita<sup>1</sup>, Emilio Nuzzolese<sup>1</sup>*

<sup>1</sup>Torino

Septic shock from STEC or heat stroke? Sudden death in a forest ranger during wildfire suppression. Differential diagnosis and medico-legal implications

*Roberto Demontis<sup>1</sup>, Giorgia Locci<sup>1</sup>, Daniela Onnis<sup>1</sup>, M.F. Sedda<sup>1</sup>, Giovanni Paolo Maietta<sup>1</sup>*

<sup>1</sup>Cagliari

“Skeletons in the closet”: the relevance of forensic autopsy in the investigation of the “living with the dead” phenomenon – a case series from Northern Italy

*Samuele Baldi<sup>1</sup>, Flavia Inchingolo<sup>1</sup>, Andrea Bonetti<sup>1</sup>, Matteo Moretti<sup>2</sup>, Elena Invernizzi<sup>1</sup>, Luca Tajana<sup>1</sup>*

<sup>1</sup>Pavia, <sup>2</sup>Bellinzona

Toward best practices for DNA sample collection and preservation in the autopsy room

*Elena Giovannini<sup>1</sup>, Arianna Giorgetti<sup>1</sup>, Filippo Pirani<sup>1</sup>, Carla Bini<sup>1</sup>, Susi Pelotti<sup>1</sup>*

<sup>1</sup>Bologna

Unconventional weapon: the role of forensic radiology in the investigation of a suicide with a homemade firearm

*Eva Grosso<sup>1</sup>, Martina Negro<sup>1</sup>, Jessica Contardo<sup>1</sup>, Stefano Palumbi<sup>1</sup>, Chiara De Marchi<sup>1</sup>, Pasquale Padalino<sup>1</sup>*

<sup>1</sup>Padova

**Please note that the four best posters will be presented at the end of the sessions on Saturday.**





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## ABSTRACT BOOK

Scan the QR code below to access the full Abstract Book of the Congress.



Authors of works presented at the Congress will have the opportunity to submit their contributions for publication in a dedicated **Special Issue** of *Legal Medicine* (Elsevier).

***Proceedings of the 12th National Congress of the Italian Group of Forensic Pathology:  
Forensic Autopsy Reloaded***

**Submission deadline:** December 31, 2026



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**FORENSIC AUTOPSY RELOADED**

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**Daniela Maria Taccagna**  
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**Benedetta Trentarossi**  
*University of Pavia*





## GETTING THERE

The conference will be held at the University of Pavia, located in the historic center of the city, approximately 35 km south of Milan. The congress sessions will take place in the Aula Magna, in the Central Palace of the University, located in Piazza Leonardo da Vinci.

### **By plane**

The nearest international airports are Milan Linate Airport and Milan Malpensa Airport. From both airports, you can reach Milan city center and then continue to Pavia by train.

### **By train**

Pavia is well connected by frequent regional trains from Milano Centrale railway station and Milano Porta Garibaldi railway station. The journey takes approximately 30–40 minutes.

### **By car**

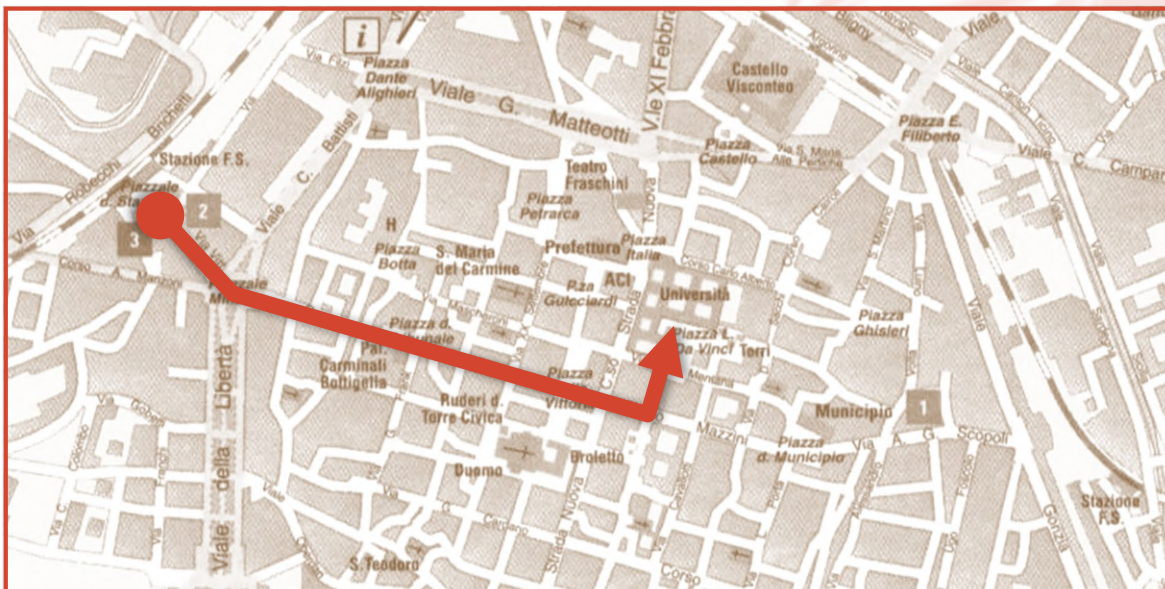
Pavia is accessible via the A7 motorway (Milan–Genoa). Exit at “Bereguardo–Pavia Nord” or “Pavia Sud” and follow signs to the city center.

Please note that traffic restrictions (ZTL) may apply in central areas.

### **Local transport**

From Pavia railway station, the university premises in Piazza Leonardo da Vinci can be easily reached on foot in approximately 17 minutes.

Local buses and taxis are also available outside the station.





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### Pavia and the Congress logo

The logo is conceived to provide a visual identity for the 12<sup>th</sup> National GIPF Congress, evoking both the city of Pavia and the topics addressed over the three days of the meeting.

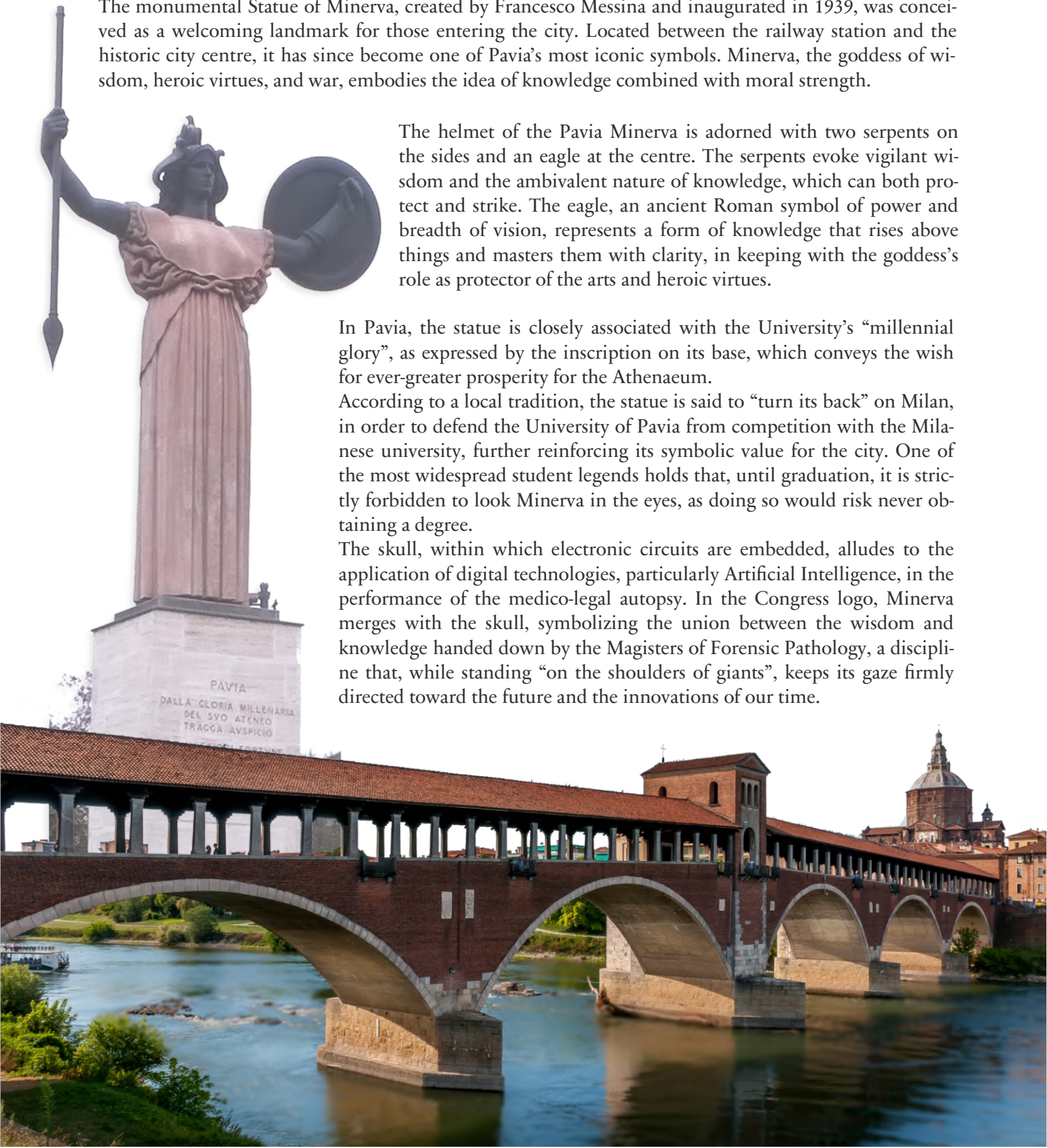
The monumental Statue of Minerva, created by Francesco Messina and inaugurated in 1939, was conceived as a welcoming landmark for those entering the city. Located between the railway station and the historic city centre, it has since become one of Pavia's most iconic symbols. Minerva, the goddess of wisdom, heroic virtues, and war, embodies the idea of knowledge combined with moral strength.

The helmet of the Pavia Minerva is adorned with two serpents on the sides and an eagle at the centre. The serpents evoke vigilant wisdom and the ambivalent nature of knowledge, which can both protect and strike. The eagle, an ancient Roman symbol of power and breadth of vision, represents a form of knowledge that rises above things and masters them with clarity, in keeping with the goddess's role as protector of the arts and heroic virtues.

In Pavia, the statue is closely associated with the University's "millennial glory", as expressed by the inscription on its base, which conveys the wish for ever-greater prosperity for the Athenaeum.

According to a local tradition, the statue is said to "turn its back" on Milan, in order to defend the University of Pavia from competition with the Milanese university, further reinforcing its symbolic value for the city. One of the most widespread student legends holds that, until graduation, it is strictly forbidden to look Minerva in the eyes, as doing so would risk never obtaining a degree.

The skull, within which electronic circuits are embedded, alludes to the application of digital technologies, particularly Artificial Intelligence, in the performance of the medico-legal autopsy. In the Congress logo, Minerva merges with the skull, symbolizing the union between the wisdom and knowledge handed down by the Magisters of Forensic Pathology, a discipline that, while standing "on the shoulders of giants", keeps its gaze firmly directed toward the future and the innovations of our time.







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