

Artificial Intelligence in Veterinary Pathology - chapter 1

One-Day Symposium

**Bridging Academia, Industry, and Technology
to advance diagnostics, research, and drug
development**

 **November 10, 2026 (11:00am-4:00pm)**

 **Rome, Italy** - aula didattica FNOVI, via del Tritone,
125, 00187, Roma.

 Limited seats (40), remote connection available

 Free event, registration needed, details will follow

Organized by: AIPVet

*An overview on how artificial intelligence is transforming
veterinary pathology across diagnostics, toxicologic
pathology, and research, while examining the growing
role of generative AI and the evolving partnership
between AI technologies and veterinary pathologists.*

***In this regard, the symposium will be based on
practical applications of AI in veterinary pathology
presented by industry representatives and colleagues.***

 Save the date, register your interest



Per maggiori dettagli, contattaci qui:

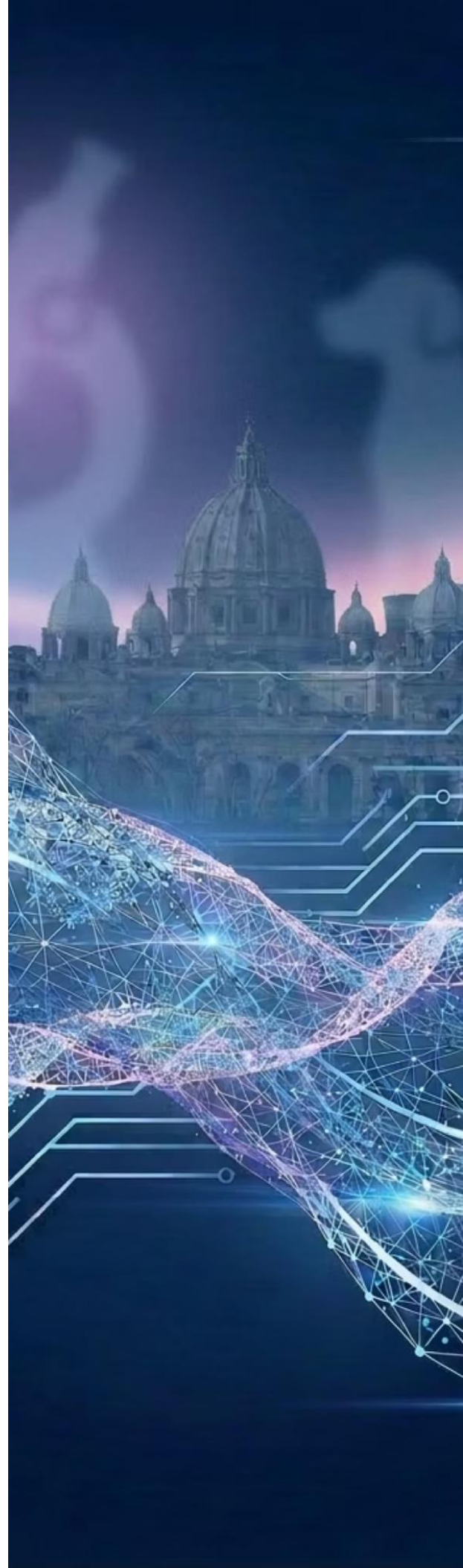
 info@aipvet.it

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Artificial intelligence is rapidly developing and - also in veterinary pathology - could improve diagnostic standardization, reducing inter-observer variability, and increasing efficiency and consistency in large-scale studies. Its integration can strengthen comparative and translational research by facilitating cross-species disease characterization and meaningful comparisons among human and veterinary pathology, and animal models. This approach directly supports the One Health perspective, accelerating the identification of biomarkers and the development of therapies relevant to both human and animal health. AI should not be regarded as a replacement for the veterinary pathologist, but as a powerful augmentation tool that enhances expertise, reproducibility, and decision-making, reducing repetitive and time-consuming tasks.

In this evolving landscape, let us work together to share knowledge about the AI tools currently available and make their applications in veterinary pathology more familiar and accessible.

Hot Topics - *The following are some of the topics of interest, a selection of which will be addressed through practical application presentations in this first chapter of AI in Veterinary Diagnostics, Research, and Industry.*

1. Automation of quantitative and repetitive tasks

- Drafting of gross and microscopic repetitive descriptions/tox path reports, generation of differential diagnosis suggestions
- Automated mitotic count assessment / Tumor grading support
- Detection of hotspots / Areas of highest biological relevance / Tumor-stroma segmentation
- Quantification of immunohistochemistry (IHC) markers

2. The rise of telepathology - practical applications:

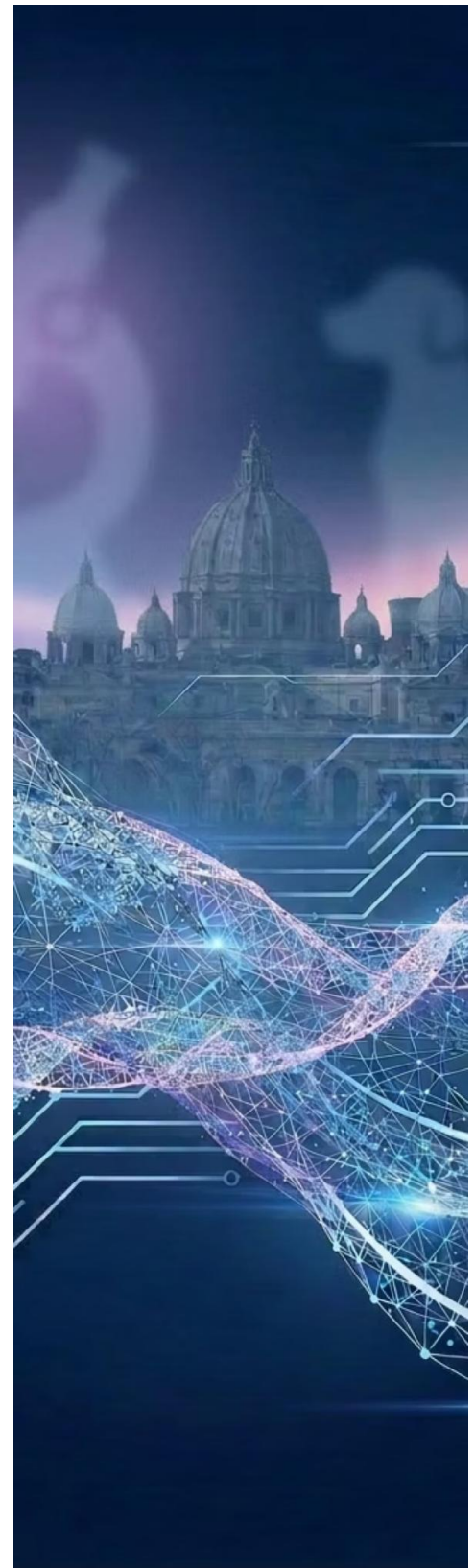
- How do you do telepathology at your place? Case examples and round table
- Examples of available remote access to expertise and subspecialty consultations

3. Practical Applications of Computational Toxicologic Pathology

- Automated slide quality control (QC), slide screening and triage
- Automated lesion detection and classification systems
- Digital primary reading and peer review support in GLP studies
- Interactive dashboards for integrated pathology and study data visualization

4. Generative AI in veterinary pathology - educational

- Support for pathology training and resident education
- Development of educational materials and case-based learning resources



To be continued..