

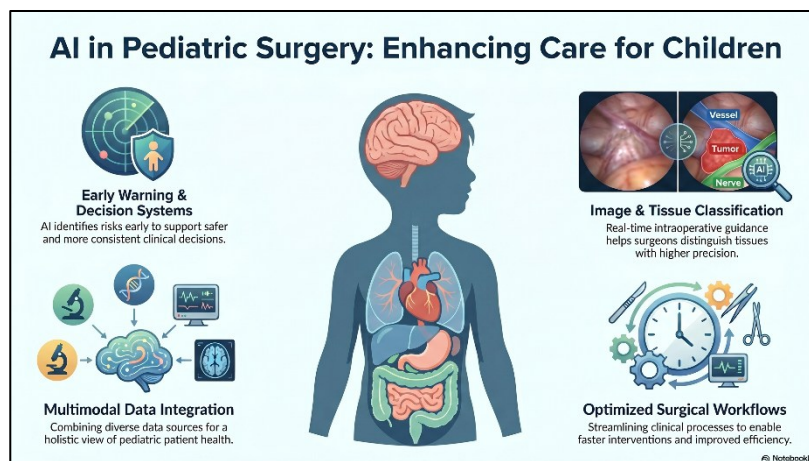
# Seminar Announcement

Organized within the course “Cognitive Computation in Physiology and Medicine”, Master Course in Biomedical Engineering, and open to all interested parties

May 14, 2026, 11.30 – 13.30, Engineering Faculty, Room B1

Clinical Applications of Artificial Intelligence in Pediatric Surgery  
Donatella Di Fabrizio, MD

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**Abstract:** This seminar will explore the clinical role of artificial intelligence in pediatric surgery, focusing on decision support, early warning systems, diagnostic tools, multimodal data integration, image and tissue classification, intraoperative guidance, and workflow optimization in order to support safer, faster, and more consistent clinical decisions for children.



**Bio:** Donatella Di Fabrizio, is a pediatric surgeon currently working at Salesi Children’s Hospital in Ancona and PhD student at Università Politecnica delle Marche. Her research focuses on robotic surgery, pediatric surgical oncology, fluorescence confocal microscopy, artificial intelligence, and translational tools for intraoperative decision support.

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