



20 OCTOBER 2026

**LIVE WEBINAR SYNCHRONOUS DISTANCE LEARNING
NON-CME ACCREDITED EVENT**

WEBINAR LANGUAGE: ITALIAN AND ENGLISH

ARTIFICIAL INTELLIGENCE IN ROBOTIC PANCREATIC AND THORACIC SURGERY FROM MULTIMODAL DATA INTEGRATION TO CLINICAL DECISION-MAKING TOWARDS THE JaM SCORE PROJECT

PRESIDENTS: PROF. **ANDREW GUMBS** - PROF. **ELIO JOVINE** - PROF. **SAMUELE NICOTRA**

SCIENTIFIC COORDINATORS: DR.SSA **LAURA MASTRANGELO** - PROF.SSA **MARIALUISA LUGARES**

Artificial Intelligence is transforming surgery through the integration and analysis of clinical, radiological, histopathological and intraoperative information, providing new tools for surgical planning, decision support and outcome prediction. In pancreatic and thoracic robotic surgery, these applications may help improve the precision, personalisation and safety of the surgical pathway, while preserving the central role of clinical judgement. The webinar will offer a multidisciplinary discussion of the main applications of Artificial Intelligence and digital surgery, ranging from radiomics and computational pathology to preoperative and intraoperative decision-support systems. Interactive clinical cases will also allow specialists' assessments to be compared with predictions generated by an Artificial Intelligence platform, highlighting its potential, limitations and interpretability requirements. The concluding session will focus on the JaM Score Project, which aims to develop and multicentrically validate an Artificial Intelligence-based predictive model. Through the multimodal integration of data, the project intends to support the identification of the optimal timing for rescue reoperation in patients with severe postoperative pancreatic fistula, contributing to the definition of a clinically meaningful "Window of Rescue" and making the decision-making process more timely, consistent and reproducible.

SCIENTIFIC PROGRAM

- 14:00 **Welcome and Opening Remarks**
Saluti e apertura dei lavori
Andrew Gumbs - Elio Jovine - Samuele Nicotra

Presentation of the webinar objectives
Presentazione degli obiettivi del webinar
Laura Mastrangelo - Marialuisa Lugaresi

OPENING SESSION

ARTIFICIAL INTELLIGENCE: PRESENT AND FUTURE OF ROBOTIC SURGERY
Intelligenza Artificiale: presente e futuro della chirurgia robotica
Moderators: Elio Jovine - Samuele Nicotra

- 14:10 **Artificial Intelligence and Digital Surgery**
Intelligenza Artificiale e Chirurgia Digitale
Andrew Gumbs
- 14:20 **Clinical Judgment in the Era of Artificial Intelligence**
Il giudizio clinico nell'era dell'Intelligenza Artificiale
Giovanni Marchegiani
- 14:30 **Artificial Intelligence Across Surgical Specialties**
L'Intelligenza Artificiale nelle diverse specialità chirurgiche
Pietro Bertoglio

SESSION I

IMAGING INTELLIGENCE
L'intelligenza delle immagini
Moderators: Marta Fiscaletti - Elena Siopis

- 14:50 **Artificial Intelligence and Radiomics in Pancreatic Surgery**
Intelligenza Artificiale e Radiomica nella Chirurgia Pancreatica
Cristina Mosconi
- 15:00 **Artificial Intelligence and Radiomics in Thoracic Surgery**
Intelligenza Artificiale e Radiomica nella Chirurgia Toracica
Antonio Bruno
- 15:10 **Discussion**
Speakers: All participants

SESSION II

DIGITAL PATHOLOGY
Patologia Digitale e Intelligenza Artificiale
Moderator: Michelangelo Fiorentino

- 15:30 **Digital Pathology in Pancreatic Surgery**
Patologia Digitale nella Chirurgia Pancreatica
Adele Fornelli
- 15:40 **Artificial Intelligence and Computational Pathology**
Intelligenza Artificiale e Patologia Computazionale
Angelo Paolo Dei Tos
- 15:50 **Discussion**
Speakers: All participants

SESSION III

ARTIFICIAL INTELLIGENCE IN ROBOTIC SURGERY

L'Intelligenza Artificiale nella Chirurgia Robotica

Moderators: Elio Jovine, Laura Mastrangelo

- 16:10 **Artificial Intelligence for Surgical Planning and Intraoperative Decision-Making**
L'Intelligenza Artificiale per la pianificazione chirurgica e il supporto alle decisioni intraoperatorie

Mark Besselink

- 16:20 **Artificial Intelligence During Robotic Pancreatic Surgery**
L'Intelligenza Artificiale durante la Chirurgia Robotica Pancreatica

Ugo Boggi

- 16:30 **Artificial Intelligence in Robotic Thoracic Surgery**
L'Intelligenza Artificiale nella Chirurgia Robotica Toracica

Elena Garelli

- 16:40 **Discussion**

Speakers: All participants

INTERACTIVE SESSION

HUMAN INTELLIGENCE VERSUS ARTIFICIAL INTELLIGENCE

Intelligenza Umana versus Intelligenza Artificiale

Moderators: Marialuisa Lugaresi, Laura Mastrangelo

- 16:50 **Clinical Challenge 1**

Speaker: Silvana Bernadetta Puglisi

PANCREATIC SURGERY

Interactive clinical case - Radiology - Radiomics - Short operative videos - Pathology - Clinical evolution -

Audience voting - Artificial Intelligence prediction

Discussion

Caso clinico interattivo di CHIRURGIA PANCREATICA

Imaging - Radiomica - Brevi video chirurgici - Anatomia patologica - Evoluzione clinica -

Votazione in tempo reale del pubblico - Predizione della piattaforma di Intelligenza Artificiale

Discussione finale

- 17:20 **Challenge 2**

Speaker: Matteo Petroncini

THORACIC SURGERY

Interactive clinical case - Radiology - Robotic surgery - Short operative videos - Audience voting -

Artificial Intelligence prediction

Discussion

Caso clinico interattivo di CHIRURGIA TORACICA

Imaging - Chirurgia robotica - Brevi video chirurgici -

Votazione in tempo reale del pubblico -

Predizione della piattaforma di Intelligenza Artificiale

Discussione finale

FROM DATA TO DECISION: BUILDING THE JaM SCORE

Dal dato alla decisione: costruire il JaM Score

Moderators: Andrew Gumbs, Elio Jovine, Samuele Nicotra

- 17:50 **Artificial Intelligence, Machine Learning and Clinical Decision Support Systems**
How to integrate clinical, radiological, pathological, and intraoperative data into a decision support platform
Intelligenza Artificiale, Machine Learning e sistemi di supporto alle decisioni cliniche
Come integrare dati clinici, radiologici, anatomo-patologici e intraoperatori in una piattaforma intelligente di supporto decisionale
Biomedical Engineer - Giulia Raffaella De Luca
- 18:00 **How to Develop and Validate an AI-Based Clinical Score**
How to develop, train, and validate a robust, interpretable, multicenter predictive model.
Come sviluppare e validare uno score clinico basato sull'Intelligenza Artificiale
Come sviluppare, addestrare e validare un modello predittivo multicentrico, robusto e interpretabile
Enzo Grossi
- 18:10 **The JaM Score Project**
A Multicenter AI-Assisted Decision Model for Optimal Timing of Rescue Surgery after Severe Postoperative Pancreatic Fistula
The JaM Score Project: Identifying the Optimal Window for Rescue Surgery After Severe Postoperative Pancreatic Fistula

CLINICAL RATIONALE

The issue of timing reoperation

The "window of rescue"

The concept of conservative treatment failure

Integration of clinical, radiological, pathological, and AI data

Proposal for a multicenter study for the development and validation of the JaM Score

Il Progetto JaM Score

Un modello decisionale multicentrico supportato dall'Intelligenza Artificiale per identificare il momento ottimale del reintervento di salvataggio nella fistola pancreatica postoperatoria grave

RAZIONALE CLINICO

Il problema del timing del reintervento

Il concetto di "Window of Rescue"

Il fallimento del trattamento conservativo

Integrazione di dati clinici, radiologici, anatomo-patologici e di Intelligenza Artificiale

Proposta di studio multicentrico per lo sviluppo e la validazione del JaM Score

Laura Mastrangelo

- 18:25 **Closing Remarks**

Conclusioni

Andrew Gumbs - Elio Jovine - Samuele Nicotra

PRESIDENTS

Andrew Gumbs Poissy
Elio Jovine Bologna
Samuele Nicotra Bologna

SCIENTIFIC COORDINATORS

Laura Mastrangelo Bologna
Maria Luisa Lugaresi Bologna

FACULTY

Pietro Bertoglio Bologna
Mark Besselink Amsterdam
Ugo Boggi Pisa
Antonio Bruno Bologna
Giulia Raffaella De Luca Bologna
Angelo Paolo Dei Tos Padova
Michelangelo Fiorentino Bologna
Marta Fiscalletti Bologna
Adele Fornelli Imola
Elena Garelli Bologna
Enzo Grossi Bologna
Andrew Gumbs Poissy
Elio Jovine Bologna

Maria Luisa Lugaresi Bologna
Giovanni Marchegiani Padova
Laura Mastrangelo Bologna
Cristina Mosconi Bologna
Samuele Nicotra Bologna
Matteo Petroncini Bologna
Silvana Bernadetta Puglisi Bologna
Elena Siopis Bologna

GENERAL INFORMATION

HOW TO PARTICIPATE

The event will be held as a live webinar on the ZOOM video conferencing platform.

CME accreditation is NOT provided.



REGISTRATION

Participation in the event is free, subject to online registration by clicking [HERE](#) or scanning QR CODE

ORGANIZING SECRETARIAT



MI&T srl Centro Direzionale Bolomna
Via Guelfa, 5 - 40138 Bologna - Italy
info@mitcongressi.it
www.mitcongressi.it

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