

Giornate AIEOP

RIMINI
Hotel Savoia

13-14 aprile 2026

GDL CHIRURGIA GICOP
Patrizia Dall'Igna
Chirurgia Pediatrica
Università di Padova



SDB

DIPARTIMENTO SALUTE
DONNA E BAMBINO



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

...un po' di storia



60^o
1963 - 2023



AIEOP

Gruppo Italiano di Chirurgia Oncologica Pediatrica Attivato nel 1990 (Prof. Guglielmi e Prof. Cecchetto)

Nato sotto l'egida di AIEOP e SICP

All'interno dell'AIEOP riconosciuto come GDL Chirurgia

Costituito da Chirurghi Pediatri Italiani interessati
all'Oncologia Pediatrica

Prima riunione 1991

Due riunioni/anno

Online durante il periodo COVID

Dal 2017

Spring meeting

Winter meeting durante il Congresso della Società Italiana di Chirurgia Pediatrica (SICP)

Ad ora > 60 Meetings - > 250 relazioni
Dal 2022 (post COVID)



Ancona	Ottobre 2022
Milano	Maggio 2023
Napoli (SICP)	Settembre 2023
Roma	Maggio 2024
Padova (SICP)	Ottobre 2024
Roma	Giugno 2025
Milano (SICP)	Ottobre 2025
Padova	Marzo 2026 (alla vigilia delle Giornate Tumori Solidi)



Cosa facciamo nei meetings?



Relazioni proposte dai membri

Coinvolgimento chirurghi/oncologi appartenenti a vari Centri Italiani

Coinvolgimento chirurghi di altre specialità (generalisti, plastici, urologi...)

Discussione casi clinici proposti dai vari centri (presentati dai giovani chirurghi)

Conoscenza protocolli di trattamento dei vari tumori solidi

Approccio chirurgico oncologico appropriato in accordo con i protocolli



Oltre ai meetings

Incontri del Gruppo ogni due mesi per

Organizzazione Giornate GICOP e GICOP/TREP

Programmazione brevi incontri online per discussione casi clinici

Membri a disposizione per consulenza

Organizzazione one day international meeting (online)

Report Congressi nazionali e internazionali

Proposte survey e studi nazionali

Pubblicazioni

GdL
2025
2027

**Coordinatore
Componenti**

**Patrizia Dall'Igna (Padova)
Stefano Avanzini (Genova)
Alessandro Crocoli (Roma BG)
Federica De Corti (Padova)
Chiara Grimaldi (Roma BG)
Michele Ilari (Ancona)
Calogero Virgone (Padova)**

Consulenti

**Denis Cozzi (Roma La Sapienza)
Annamaria Fagnani (Milano Policlinico)
Fabrizio Gennari (Torino)
Luca Tonegatti (Brescia)**

**Altri membri
(open doors)**

**Luca Pio (Parigi), Ottavio Gentile (Bari)
Francesca Gigola (Firenze), Eleonora Cesca (Treviso),..**

GdL
2025
2027

Coordinatore
Componenti
Consulenti

Membri dei Gruppi Cooperativi Europei Tumori
Solidi

EpSSG, ExPERT, GCT, RTSG, SIOPEL, SIOPEN

Membri Gruppi Cooperativi Europe – USA

Attivi in ambito ERN



GdL
2025
2027



EpSSG

Complications in RMS Surgery; Analysis of RMS III R0 patients/Relapse in RMS05

ExPERT

Neuroendocrine tumors, ACT, Pancreas

SIOPEL

Technical challenges in hepatoblastoma resection; Common operative form for HB surgery)

SIOPEN

Neuroblastoma Surgery Research Group meeting with COG; Refinement of IDRF; Exploration of a common protocol in >18 m, NMYC -, unfavorable histology patients with a localized tumor; Results of surgery in LINES)

Studies e Surveys

FUSE Study

Multicentric studies on Functional Sequelae after solid tumor resection

Highlighting technical challenges in Hepatoblastoma resection

Clarify the surgical attitude towards the main challenges in HB surgery

Create a common operative form for HB surgery

Biopsia tumori del pancreas

Per la diagnosi preoperatoria

Partecipazione allo sviluppo delle linee guida chirurgiche a livello nazionale e internazionale

ecancermedicalscience

February 2022

International Society of Paediatric Surgical Oncology (IPSO)
Surgical Practice Guidelines



**Pediatric Blood & Cancer: Volume
72, Issue S2**

Pediatric Cancer Surgery

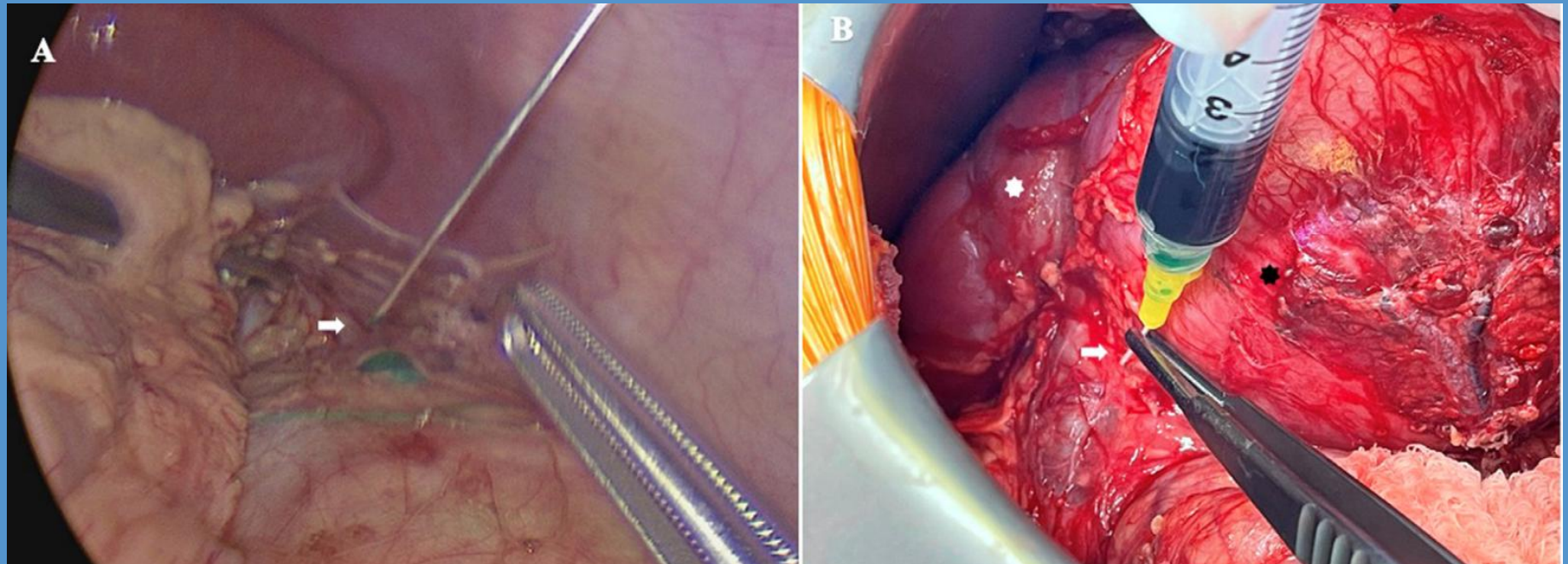
April 2025

ICG injection technique

Intra-Parenchymal technique (IP)

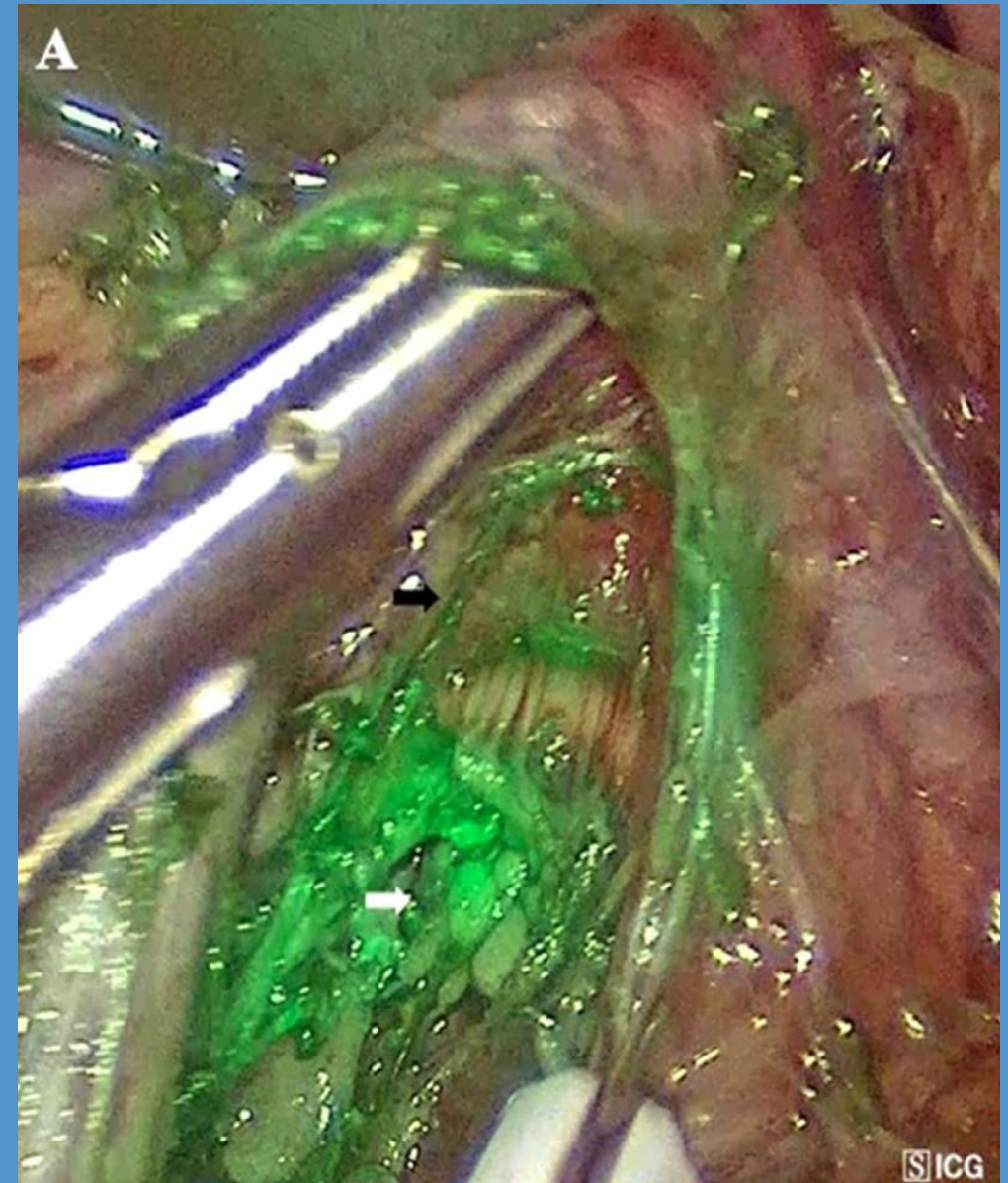
PeriHilar technique (PH)

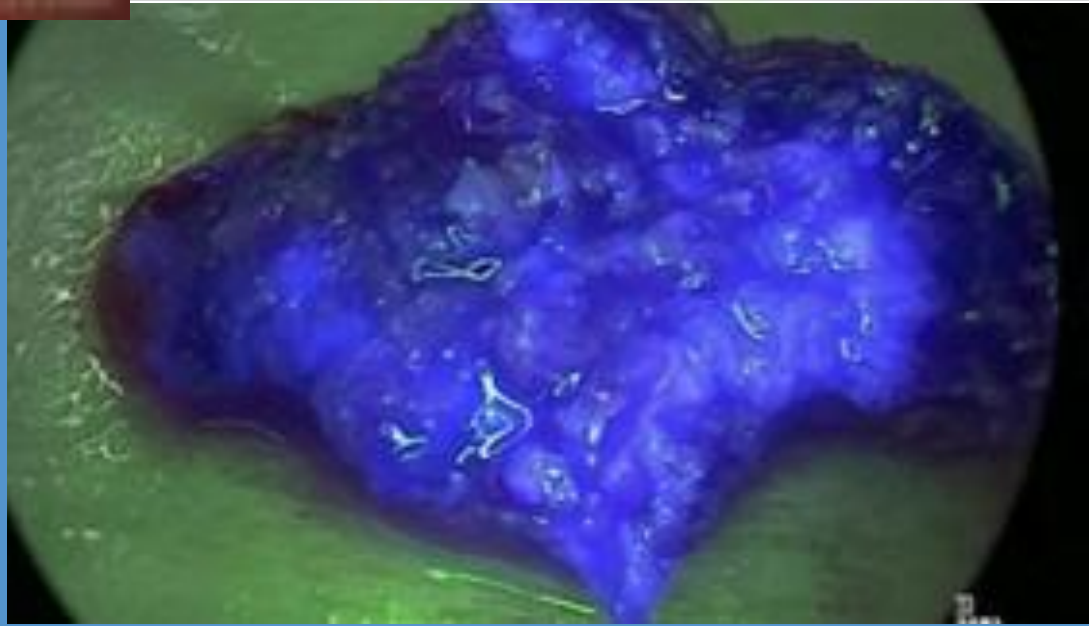
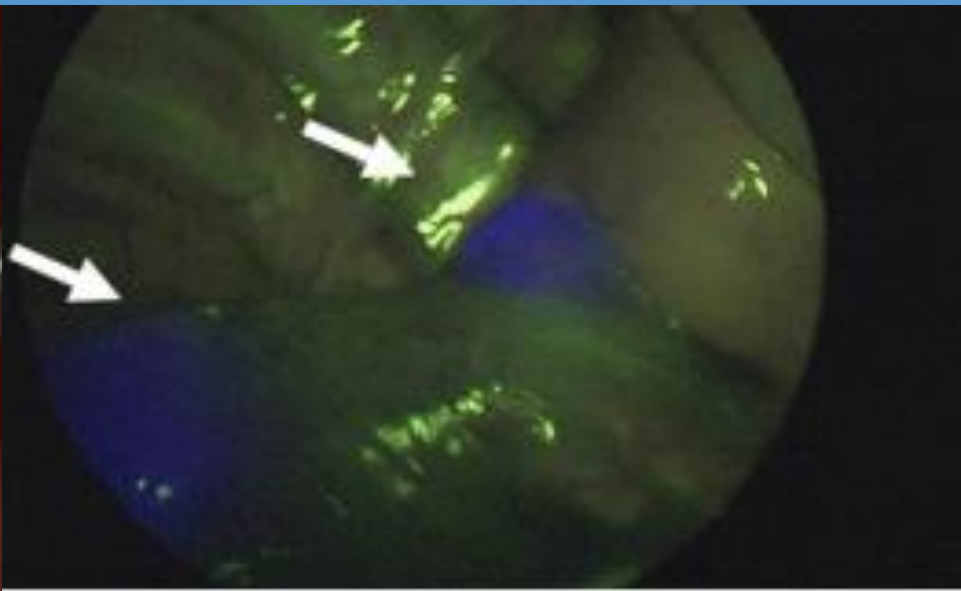
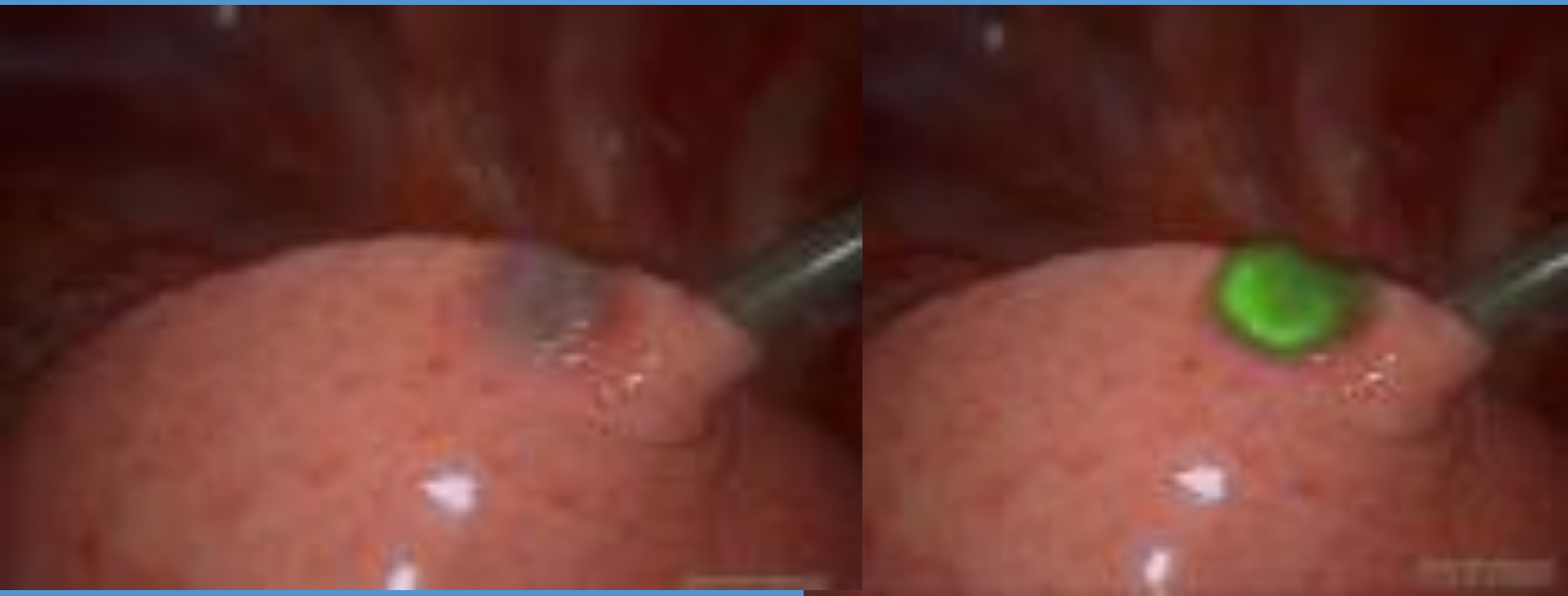
**Fluorescence-guided
lymph node sampling**



Fluorescence-guided lymph node sampling

Fluorescence-guided lymphatic mapping of Wilms tumor drainage is feasible by both IP injection and PH injection techniques





Minimally-invasive surgery - MIS

No limits...but some limits

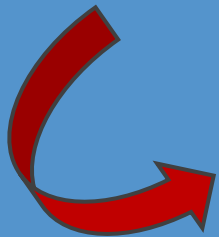
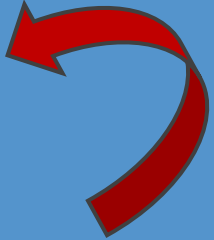
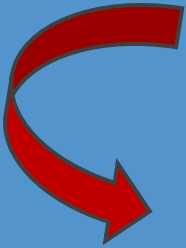
Increasing indications in pediatric oncology

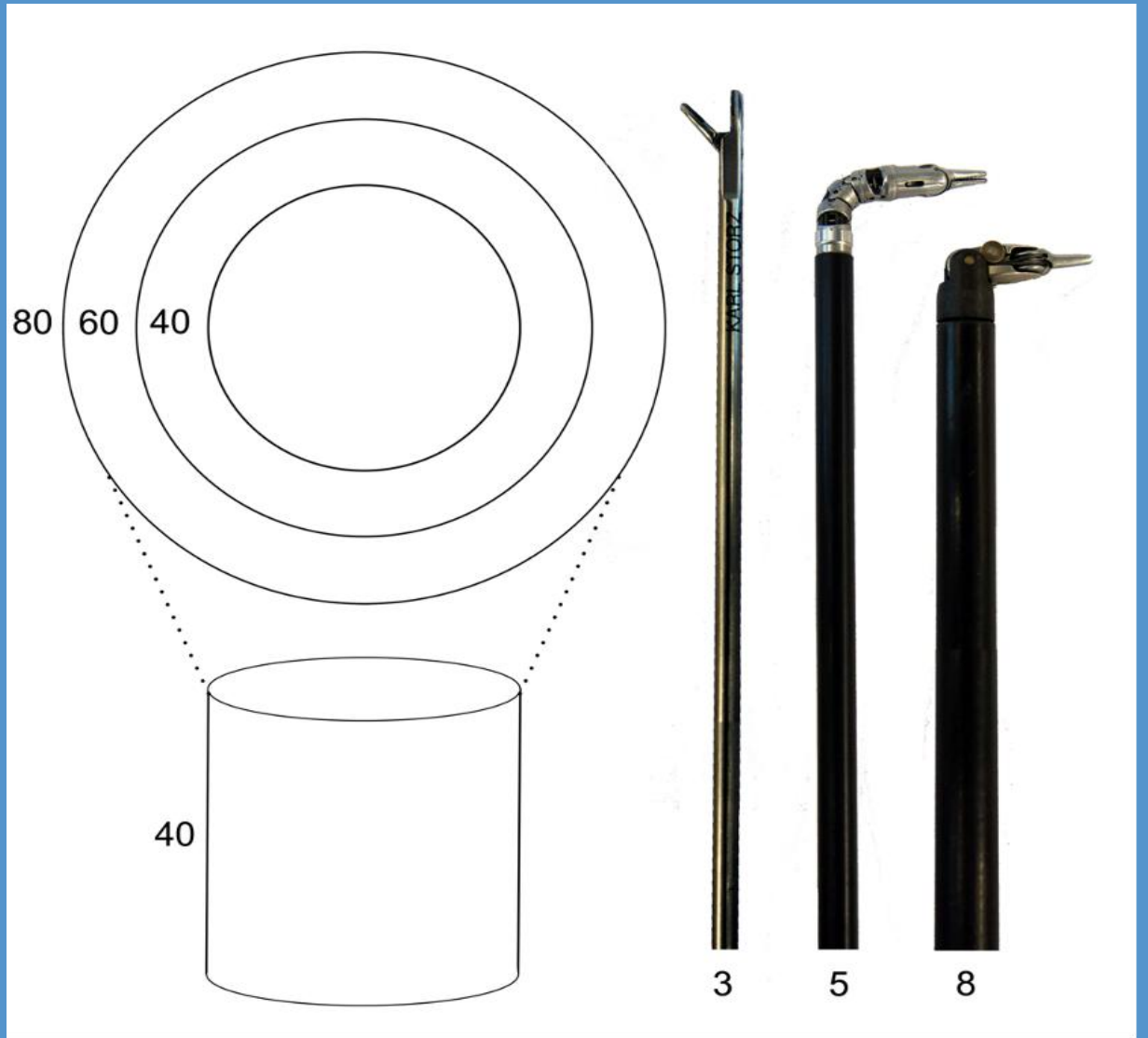
Robotic/Laparoscopy/Thoracoscopy

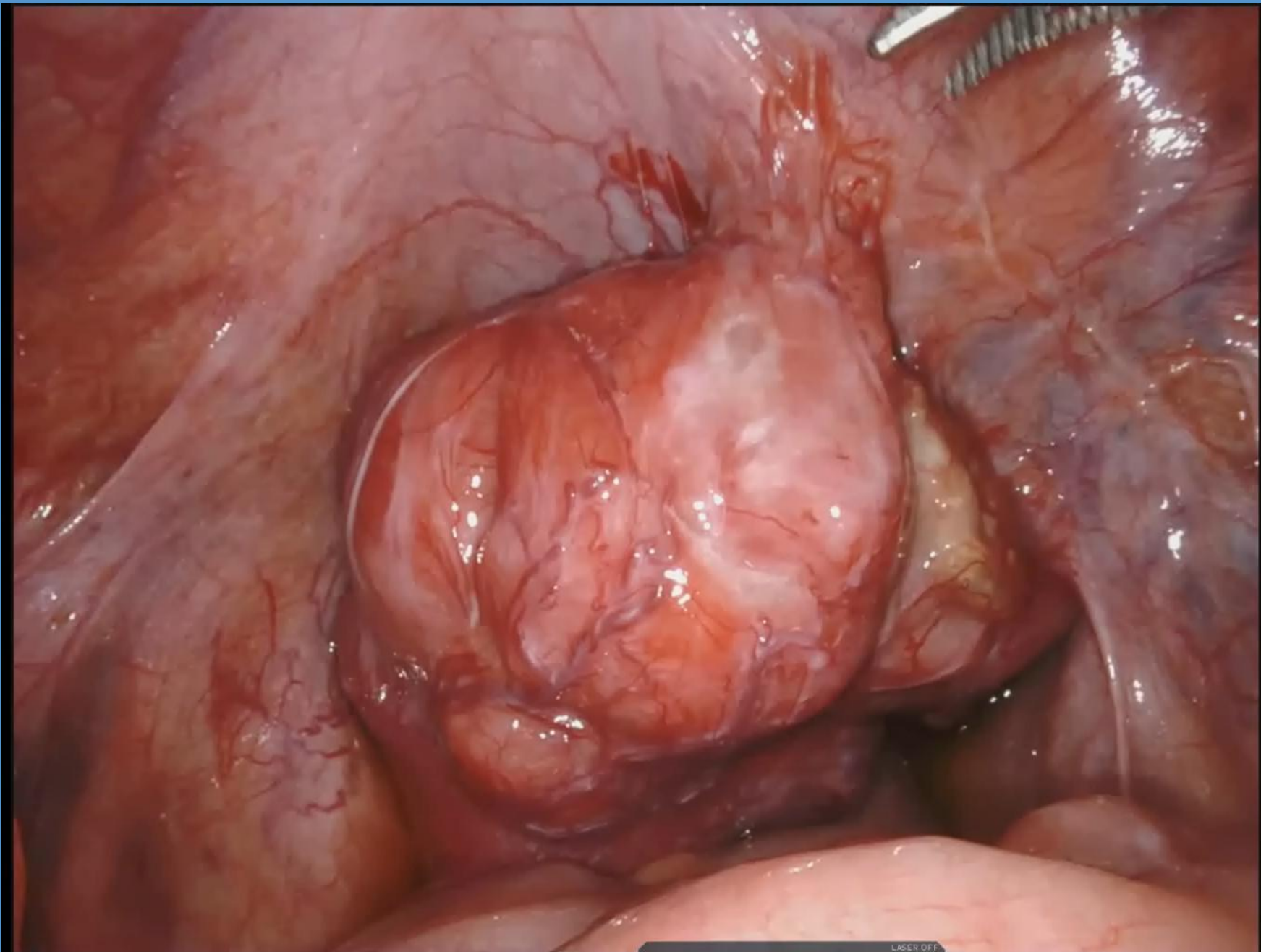
MIS should follow surgical rules.....

...however, surgical protocols should likely place
greater trust in MIS

TEMPI DEL CAMBIAMENTO







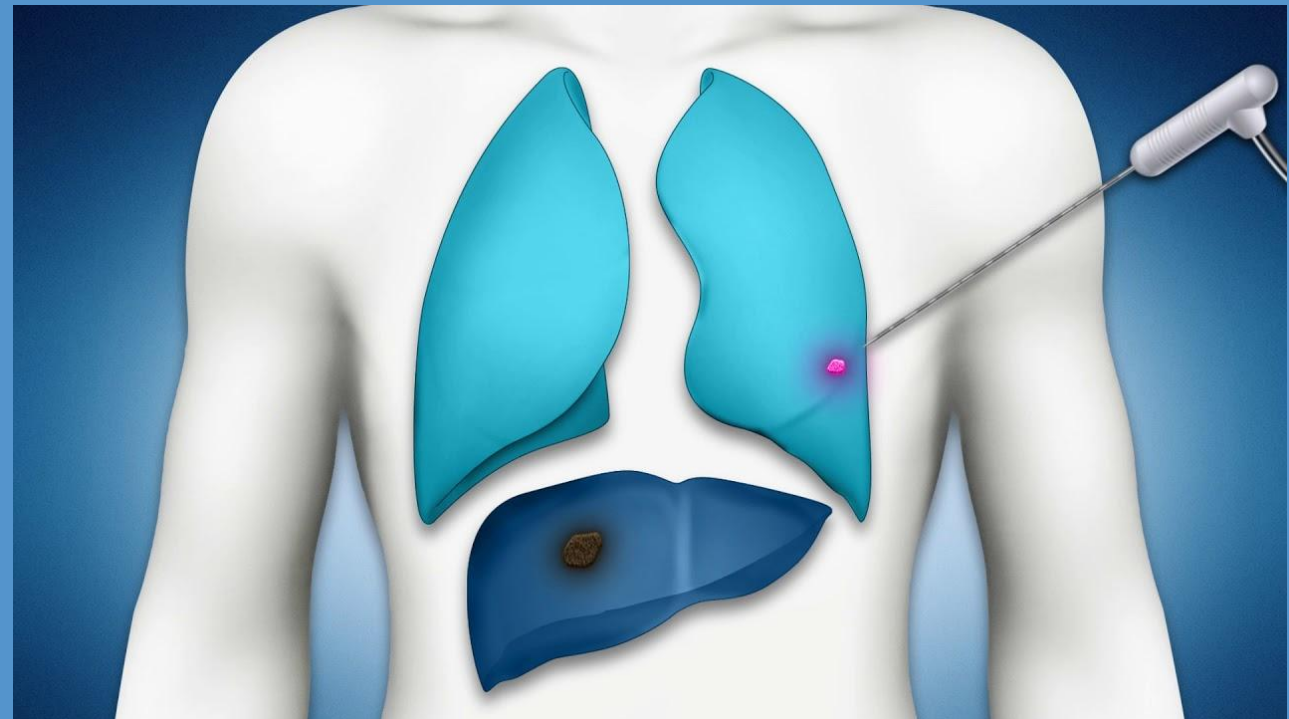
1" CADIERE FORCEPS 2 3 16° 0° 1x 30° 4" MARYLAND BIPOLAR FORCEPS LASER OFF R COAG

Radiologia Interventistica

Markers percutanei
per aiutare l'identificazione di
metastasi polmonari ed epatiche

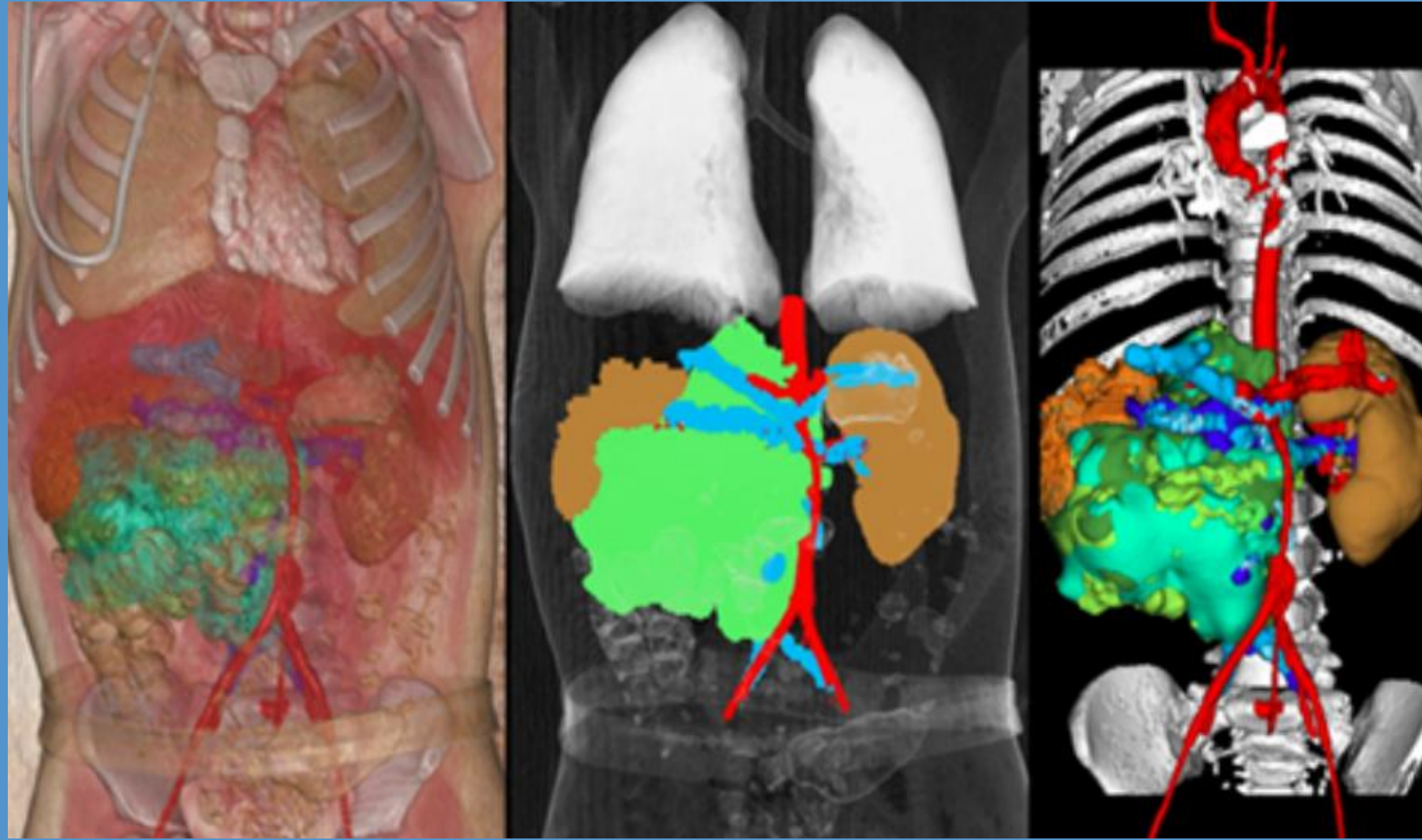


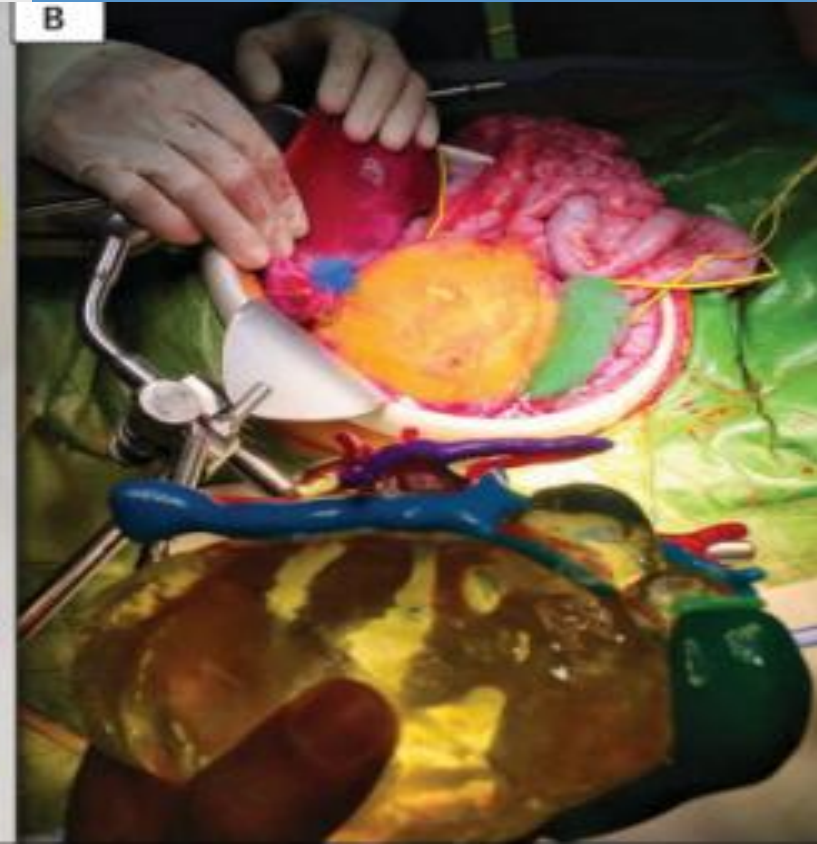
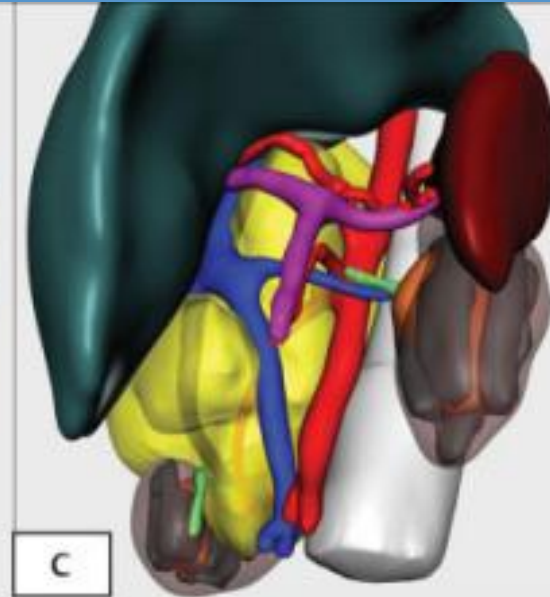
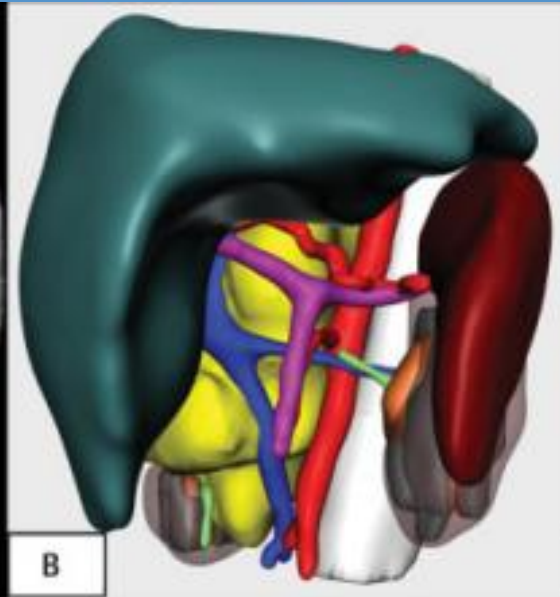
Biopsie percutanee IMG-guidate
Termoablazione percutanea



3D-Imaging and Precision surgery

Exploring the
Potential of Three-
Dimensional
Imaging, Printing,
and Modeling in
Pediatric Surgical
Oncology





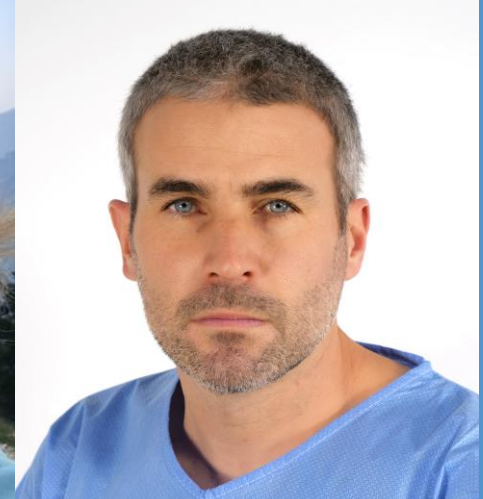
Artificial intelligence (AI) and machine learning (ML)

- Recent advancements have shown potential in predicting NEC risk, diagnosing the condition at early stages, and optimizing treatment strategies
- Need of advancement to possibly revolutionize the field of pediatric surgical oncology, offering novel diagnostic and therapeutic approaches

GICOP, Padova	11 MARZO
Giornate TUMORI SOLIDI, Padova	12 - 13 MARZO
Giornate AIEOP, Rimini	13 – 14 APRILE
SIOP-E, Glasgow	4 – 7 MAGGIO
SIOPEL Spring meeting, Roma	20 - 22 MAGGIO
EUPSA, Vienna	20 – 23 MAGGIO
Summer School di Oncologia Pediatrica, Bari	10-12 GIUGNO
SIOP RTSG, Lille	22 – 24 GIUGNO
SIOP – IPSO, San Antonio	14 – 18 SETTEMBRE
SICP, Roma	23 – 26 SETTEMBRE
SIOPEN AGM, Roma	30 SETT – 2 OTT
AIEOP, Lecce	12 – 14 OTTOBRE
CASI SICP di formazione, Online	10 NOVEMBRE
EpSSG, Padova	2 – 5 DICEMBRE



Appuntamenti 2026



Un caro saluto da tutti



Un particolare ringraziamento

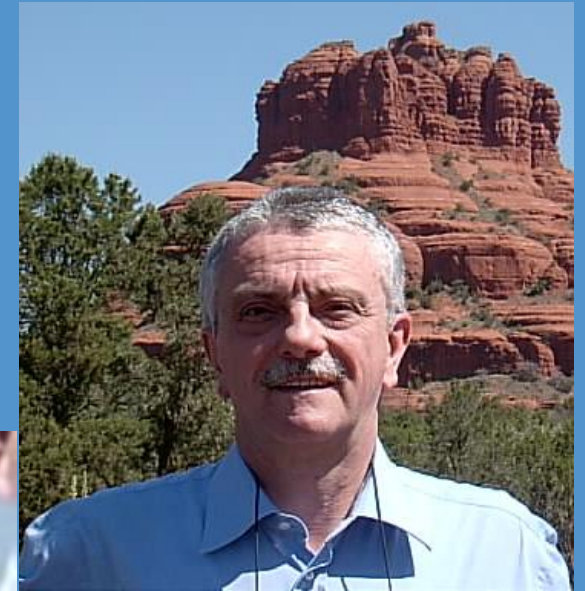
Prof. Maurizio Guglielmi



Prof. Giovanni Cecchetto



Prof. Alessandro Inserra



Artificial intelligence (AI) and machine learning (ML)

- Important innovation represented by new molecular technologies, such as DNA methylation profiling and the use of Next Generation Sequencing, which allow the identification of new tumor subtypes and are particularly useful in difficult-to-define cases
- In this context, tools such as radiomics and radiogenomics have gained prominence
 - Radiomics: extraction of quantitative features from MR imaging (texture, heterogeneity, tumor shape), which can assist in differential diagnosis, risk stratification, and prediction of treatment response

- 14-month-old girl with thoracic NB, MYCN negative, diagnosed in September 2025
- 4 cycles of Carbo-VP16: super good response!!
- End of January: time to operate...
- However, I questioned the indication for operation
- Due to the site, operation will result with possibly leave some residual since the tumor is close to vital structures.
- Does this make sense? Would you consider leaving the mass there?

Radiomics

Tumor texture and heterogeneity

Shape and vascular patterns

Which correlate with:

Tumor aggressiveness

Genetic mutations (like MYCN status)

