


**FINAL
SCIENTIFIC PROGRAM**



**NEW FRONTIERS (NF_s)
in INTERVENTIONAL RADIOLOGY
and ENDOVASCULAR THERAPY**

“you cannot discover new horizons without innovation”

***in-terventional
in-subria
in-novation***

www.incongressnewfrontiers.it



Sistema Socio Sanitario



ASST Sette Laghi

Polo Universitario



UNDER THE AUSPICES OF



Società Italiana di
Radiologia Medica
e Interventistica



Società Italiana di Chirurgia
Vascolare ed Endovascolare



*in-*Honorary Presidents



Patrizio Castelli



Roberto Chiesa



Alessandro Del Maschio



Carlo Fugazzola

*in-*Presidents



Maurizio Cariati



Matteo Tozzi



Massimo Venturini
(Scientific Coordinator)

*in-*Scientific Committee



Federico Fontana



Andrea Giorgianni



Andrea Kahlberg



Paolo Marra



Giovanni Mauri



Cristina Mosconi



Filippo Piacentino



Gabriele Piffaretti

*in-*Scientific Secretariat



Maria Cristina Cervarolo



Andrea Coppola



Giada Zorzetto

in-WELCOME GREETINGS

Welcome to the *in*-congress (*in*-terventional, *in*-subria, *in*-novation):

[New Frontiers in Interventional Radiology and Endovascular Therapy](#), a meeting focused on Innovation, aimed to Interventional Radiologists and Vascular Surgeons.

in-SCIENTIFIC PROGRAM

The *in*-scientific program has been planned to collect and spread the most recent innovations. Technological innovations, clinical innovations, novel applications of conventional techniques will be highlighted and discussed by a highly qualified faculty composed of the best Italian Interventional Radiologists and Vascular Surgeons. The program includes 14 scientific *in*-sessions, 6 *in*-key honorary lectures of European leaders in Interventional Radiology and Vascular Surgery, 2 industry focuses. The congress will last two days, the first dedicated to Interventional Radiology, the second to Endovascular Therapy (*see in-session modalities, recommendations for moderators/speakers/discussants and slides preparation*).

in-INNOVATION CHALLENGE

At the end of the scientific program, the audience will vote for the best young innovative scientific communication for Interventional Radiology, the best young innovative scientific communication for Endovascular Therapy, the 2022-23 best innovative paper for Interventional Radiology, the 2022-23 best innovative paper for Endovascular Therapy, selected and proposed by 3 experts for each competition. The best 4 “innovators” will be awarded at the end of the *in*-congress (*see in-innovation challenge rules and summary table of in-innovation challenge*).

in-ENTERTAINMENT

Participants will have the opportunity to dive into an innovative atmosphere made of images, lights, sounds, flavours which we hope will make the intervals between presentations more enjoyable (*see in-entertainment organization*).

Albano Domenico (Milano)
Angiletta Domenico (Bari)
Antonello Michele (Padova)
Apruzzi Luca (Milano)
Ascenti Velio (Milano)
Azzaretti Andrea (Como)
Baccellieri Domenico (Milano)
Bargellini Irene (Candiolo)
Baruzzi Fabio (Varese)
Basile Antonio (Catania)
Benedetto Filippo (Messina)
Bergui Mauro (Torino)
Calandri Marco (Torino)
Callegari Leonardo (Varese)
Calvi Marco (Varese)
Cappelli Alberta (Bologna)
Carcano Giulio (Varese)
Cariati Maurizio (Milano)
Carrafiello Gianpaolo (Milano)
Carriero Serena (Milano)
Castelli Patrizio (Varese)
Cervarolo Maria Cristina (Varese)
Cervelli Rosa (Pisa)
Chiesa Roberto (Milano)
Chirico Claudio (Varese)
Cioni Roberto (Pisa)
Civilini Efreem (Rozzano)
Coppola Andrea (Varese)
Craparo Giuseppe (Palermo)
Cristaudo Concetto (Catania)
Crocetti Laura (Pisa)
D'Oria Mario (Trieste)
De Cobelli Francesco (Milano)
de Donato Gianmarco (Siena)
Dehò Federico (Varese)
Del Maschio Alessandro (Milano)
Della Corte Angelo (Milano)
Dulcetta Ludovico (Bergamo)
Facchini Giancarlo (Bologna)
Faggioli Gianluca (Bologna)
Faiella Eliodoro (Roma)
Fargion Aaron Thomas (Firenze)
Ferraresi Roberto (Paderno Dugnano)
Floridi Chiara (Ancona)
Fonio Paolo (Torino)
Fontana Federico (Varese)
Forzenigo Laura (Milano)
Freyrie Antonio (Parma)
Fugazzola Carlo (Varese)
Galassi Alfredo Ruggero (Palermo)
Gallitto Enrico (Bologna)
Gargiulo Mauro (Bologna)
Genovese Eugenio Annibale (Varese)
Giampalma Emanuela (Forlì)
Giorgianni Andrea (Varese)
Giovagnoni Andrea (Ancona)
Giurazza Francesco (Napoli)
Golfieri Rita (Bologna)
Grasso Rosario Francesco (Roma)
Greco Giorgio (Milano)
Guzzardi Giuseppe (Novara)
Ierardi Anna Maria (Milano)

- lezzi Roberto (Roma)
- Inston Nicholas (Birmingham, UK)
- Kahlberg Andrea (Milano)
- Laganà Domenico (Catanzaro)
- Lanza Gaetano (Castellanza)
- Loffroy Romaric (Dijon, France)
- Lomazzi Chiara (Milano)
- Lombardi Giulio (Avellino)
- Lucatelli Pierleone (Roma)
- Lugli Marzia (Modena)
- Lunardi Alessandro (Pisa)
- Macchi Andrea (Lonate Pozzolo)
- Mansueto Giancarlo (Verona)
- Manzi Marco (Abano Terme)
- Marchianò Alfonso (Milano)
- Marcia Stefano (Cagliari)
- Marra Paolo (Bergamo)
- Masala Salvatore (Sassari)
- Mascia Daniele (Milano)
- Mauri Giovanni (Milano)
- Melchiorre Fabio (Melegnano)
- Michelagnoli Stefano (Firenze)
- Migliorisi Carmelo (Legnano)
- Minici Roberto (Catanzaro)
- Montorfano Matteo (Milano)
- Moramarco Lorenzo Paolo (Como)
- Mordasini Pasquale (Bern, Switzerland)
- Mosconi Cristina (Bologna)
- Nano Giovanni (San Donato Milanese)
- Patanè Domenico (Catania)
- Patelli Gianluigi (Bergamo)
- Piacentino Filippo (Varese)
- Piffaretti Gabriele (Varese)
- Pratesi Carlo (Firenze)
- Pratesi Giovanni (Genova)
- Pulli Raffaele (Firenze)
- Quaretti Pietro (Pavia)
- Rampoldi Antonio (Milano)
- Rebonato Alberto (Pesaro)
- Remida Paolo (Monza)
- Rossi Michele (Roma)
- Rossi Umberto (Genova)
- Sallemi Claudio (Brescia)
- Sangiorgi Giuseppe (Roma)
- Sconfienza Luca Maria (Milano)
- Setacci Francesco (Milano)
- Spreafico Carlo (Milano)
- Tozzi Matteo (Varese)
- Trimarchi Santi (Milano)
- Tshomba Yamume (Roma)
- Vacirca Francesco (Catania)
- Vallone Stefano (Modena)
- Valvassori Luca (Milano)
- van Herwaarden Joost A. (Utrecht, the Netherlands)
- Veltri Andrea (Torino)
- Venturini Massimo (Varese)
- Vercelli Ruggero (Milano)
- Zorzetto Giada (Varese)

in-congress opening, first day, interventional

8.00	Participants registration
9.00	Video-clip in-congress A
9.03	Greetings Local Authorities Angelo Tagliabue (<i>Insubria University Rector</i>) Giuseppe Micale (<i>ASST-Settelaghi, General Manager Director</i>) Anna Iadini (<i>ASST-Settelaghi, Chief Medical Officer</i>)
9.13	Video-clip in-congress B
9.15	Insubria: roots and perspectives of a young University on its 25th anniversary Giulio Carcano (<i>Insubria University, DIMIT Director</i>)
9.20	Greetings SIRM Authorities Andrea Giovagnoni (<i>SIRM President</i>) Laura Forzenigo (<i>SIRM, Lombardia region, President</i>) Francesco De Cobelli (<i>SIRM, Interventional Radiology Section-ICIR, Vice-President</i>)
9.33	Greetings in-Presidents Maurizio Cariati Matteo Tozzi Massimo Venturini

in-key honorary lecture AModerator: *Andrea Giovagnoni*

9.45	Interventional Radiology and Immunotherapy Gianpaolo Carrafiello "Too strange to believe"
9.58	Video-clip in-session 1

INTERVENTIONAL RADIOLOGY DAY

in-session 1

NFs IN INTERVENTIONAL ONCOLOGY: COMBINED APPROACHES INCLUDING ABLATION

Moderators: *Maurizio Cariati, Massimo Venturini*

10.00	Percutaneous vs laparoscopic open ablation in colorectal liver metastases management Speaker: <i>Francesco De Cobelli</i> , Discussant: <i>Laura Crocetti</i>
10.11	Balloon-occluded ablation and TACE in unresectable, large HCC Speaker: <i>Roberto Iezzi</i> , Discussant: <i>Pierleone Lucatelli</i>
10.22	Ablation and immunotherapy in lung tumours Speaker: <i>Anna Maria Ierardi</i> , Discussant: <i>Rosario Francesco Grasso</i>
10.33	Ablation and surgery in malignant thyroid tumours management Speaker: <i>Giovanni Mauri</i> , Discussant: <i>Rosa Cervelli</i>
10.44	General Discussion
10.58	Video-clip <i>in-session 2</i>

in-session 2

NFs IN INTERVENTIONAL ONCOLOGY: ALTERNATIVE APPROACHES

Moderators: *Irene Bargellini, Alfonso Marchianò*

11.00	Glass vs Resin vs Holmium microspheres in TARE for HCC Speaker: <i>Carlo Spreafico</i> , Discussant: <i>Irene Bargellini</i>
11.11	DSM-TACE vs immunotherapy vs Sorafenib in intermediate HCC Speaker: <i>Roberto Iezzi</i> , Discussant: <i>Serena Carriero</i>
11.22	TACE vs TARE vs combined approaches in unresectable cholangiocarcinoma Speaker: <i>Cristina Mosconi</i> , Discussant: <i>Giorgio Greco</i>
11.33	MWA vs RFA vs cryoablation in renal tumours Speaker: <i>Andrea Veltri</i> , Discussant: <i>Eliodoro Faiella</i>
11.44	General Discussion
11.58	Video-clip <i>in-session 3</i>

in-session 3

NFs IN INTERVENTIONAL ONCOLOGY: INNOVATIVE APPROACHES AND FUTURE PERSPECTIVES

Moderators: *Gianpaolo Carrafiello, Chiara Floridi*

12.00	Fusion imaging, augmented reality and new guidance systems in interventional oncology Speaker: <i>Rosario Francesco Grasso</i> , Discussant: <i>Giovanni Mauri</i>
12.11	Future perspectives in microballoon interventions of liver tumours Speaker: <i>Pierleone Lucatelli</i> , Discussant: <i>Carlo Spreafico</i>
12.22	Future perspectives in TARE and combined approaches in liver metastases Speaker: <i>Irene Bargellini</i> , Discussant: <i>Cristina Mosconi</i>
12.33	Future perspectives in ablation techniques and combined approaches in solid tumours Speaker: <i>Laura Crocetti</i> , Discussant: <i>Chiara Floridi</i>
12.44	General Discussion
12.57	Video-clip <i>in-congress A</i>

in-key honorary lecture B

Moderator: *Paolo Fonio*

13.00	Update in iodinated contrast medium and CO2 in diabetic, nephropathic patients with CLTI <i>Marco Manzi</i> "CO2 in CLTI revascularization: is iodinated contrast free-procedure only a dream?"
13.13	Lunch
13.58	Video-clip <i>in-session 4</i>

in-session 4

NFs IN EMBOLIZATION: NEW APPLICATIONS, NEW DEVICES, NEW DISTRICTS

Moderators: *Anna Maria Ierardi, Pietro Quaretti*

14.00	New and different applications of micro vascular plug Speaker: <i>Francesco Giurazza</i> , Discussant: <i>Anna Maria Ierardi</i>
14.11	New applications of non-adhesive, EVOH-based liquid embolic agents in extra-cranial and extra-vascular districts Speaker: <i>Massimo Venturini</i> , Discussant: <i>Claudio Sallemi</i>
14.22	Prostatic interventional radiological management: embolization vs ablation Speaker: <i>Antonio Rampoldi</i> , Discussant: <i>Gianluigi Patelli</i>
14.33	Hemorrhoids embolization: superior rectal arteries alone? Coils? Particles? Speaker: <i>Alberto Rebonato</i> , Discussant: <i>Massimo Venturini</i>
14.44	General Discussion
14.58	Video-clip in-session 5

in-session 5

NFs IN INTERVENTIONAL RADIOLOGICAL MANAGEMENT OF COMPLEX HEPATO-BILIARY DISEASES: INNOVATIVE MODALITIES

Moderators: *Roberto Cioni, Francesco De Cobelli*

15.00	Tips and tricks in complex TIPS: trans-splenic approach and other peculiar modalities Speaker: <i>Antonio Rampoldi</i> , Discussant: <i>Filippo Piacentino</i>
15.11	Embolization to optimize future liver remnant increase in major hepatectomy and ALPSS Speaker: <i>Angelo Della Corte</i> , Discussant: <i>Alessandro Lunardi</i>
15.22	Innovative interventional radiological management in liver transplanted patients Speaker: <i>Alberta Cappelli</i> , Discussant: <i>Ludovico Dulcetta</i>
15.33	Innovative interventional radiological management in pediatric patients Speaker: <i>Paolo Marra</i> , Discussant: <i>Carmelo Migliorisi</i>
15.44	General Discussion

Interventional Radiology industry focus (NON-CME PROGRAM)

Moderator: *Federico Fontana*

15.58	Philips Dual-layer spectral CT in lung tumor biopsies: more biomarkers information using color-coded Z-effective images? Speakers: <i>Filippo Piacentino, Luca Lonardi</i>
16.08	Siemens Healthineers Photon Counting technology, the new era in CT Speaker: <i>Giovanni Longhi</i>
16.18	Terumo Advanced TACE with pearls: data and innovations Speaker: <i>Irene Bargellini</i>
16.28	ab medica CRF: a new generation of radiofrequency ablation system Speaker: <i>Giovanni Mauri</i>
16.38	Medtronic Pre-operative embolization using Onyx 18 with stop-flow technique Speaker: <i>Eliodoro Faiella</i>
16.48	Cook Medical Role of transjugular biopsy in cirrhotic patient Speaker: <i>Antonio Rampoldi</i>
16.58	Video-clip <i>in-session 6</i>

in-session 6

NFs IN EXTRA-VASCULAR INTERVENTIONAL RADIOLOGY: INNOVATIVE MODALITIES, TECHNOLOGIES AND APPROACHES

Moderators: *Emanuela Giampalma, Paolo Marra*

17.00	Liquid vs tissue biopsy for biomarkers collection in interventional oncology Speaker: <i>Marco Calandri</i> , Discussant: <i>Roberto Minici</i>
17.11	Functional imaging in lung biopsy Speaker: <i>Filippo Piacentino</i> , Discussant: <i>Velio Ascenti</i>
17.22	Innovative strategies for management of biliary complications Speaker: <i>Giancarlo Mansueto</i> , Discussant: <i>Fabio Melchiorre</i>
17.33	Innovative strategies for management of urological complications Speaker: <i>Andrea Coppola</i> , Discussant: <i>Ruggero Vercelli</i>
17.44	General Discussion
17.58	Video-clip <i>in-session 7</i>

in-session 7

NFs IN MUSCOLOSKELETAL AND NEUROSPINAL INTERVENTIONAL PROCEDURES: WHAT IS NEW?

Moderators: *Eugenio Annibale Genovese, Salvatore Masala*

18.00	Innovative interventional procedures to treat shoulder pain Speaker: <i>Luca Maria Sconfienza</i> , Discussant: <i>Leonardo Callegari</i>
18.11	Augmented reality in bone interventional procedures Speaker: <i>Domenico Albano</i> , Discussant: <i>Marco Calvi</i>
18.22	Genicular arteries embolization in osteoarthritis Speaker: <i>Giancarlo Facchini</i> , Discussant: <i>Lorenzo Paolo Moramarco</i>
18.33	New frontiers in treatment of lumbar spinal stenosis and instability: interspinous devices Speaker: <i>Stefano Marcia</i> , Discussant: <i>Fabio Baruzzi</i>
18.44	General Discussion
18.57	Video-clip <i>in-congress</i> C1

in-key honorary lecture C

Moderator: *Matteo Tozzi*

19.00	The new era of the endovascular creation of AVF <i>Nicholas Inston</i> "They are not the strongest species that survive, nor the most intelligent, but the ones who are most responsive to change"
19.13	<i>in-Interventional Radiology day closing</i>

in-congress, second day, endovascular

7.30	Participants registration
8.00	Video-clip in-congress A
8.03	Greetings Local Authorities <i>Luigina Guasti (Insubria University, DMC Director)</i> <i>Luigi Valdatta (Insubria University, DBSV Director)</i> <i>Giulio Carcano (Insubria University, DIMIT Director)</i> <i>Alberto Passi (Insubria University, School of Medicine President)</i>
8.15	Greetings SICVE President <i>Gaetano Lanza</i>
8.20	Greetings in-Presidents <i>Maurizio Cariati</i> <i>Matteo Tozzi</i> <i>Massimo Venturini</i>

in-key honorary lecture D-E

Moderators: *Patrizio Castelli, Roberto Chiesa*

8.32	Innovative technology in ascending and arch aortic pathology <i>Santi Trimarchi</i> <i>"Aorta technology is coming slow but it is on its way"</i>
8.45	FORS technology in aortic intervention <i>Joost A. van Herwaarden</i> <i>"Fiber optical technology improves endovascular navigation in aortic procedures while reducing radiation"</i>
8.58	Video-clip in-session 8

ENDOVASCULAR THERAPY DAY

in-session 8

NFs IN AORTIC DISEASE: WHAT IS NEW?

Moderators: *Maurizio Cariati, Carlo Pratesi*

9.00	Endograft fenestration in complex aortic pathology Speaker: <i>Giovanni Pratesi</i> , Discussant: <i>Federico Fontana</i>
9.11	Innovative technologies in EVAR Speaker: <i>Michele Antonello</i> , Discussant: <i>Giovanni Nano</i>
9.22	Clinical significance of sac shrinkage after EVAR Speaker: <i>Yamume Tshomba</i> , Discussant: <i>Enrico Gallitto</i>
9.33	New frontiers (fusion imaging, IVUS, CO2) for TEVAR/EVAR optimization Speaker: <i>Mauro Gargiulo</i> , Discussant: <i>Mario D'Oria</i>
9.44	General Discussion
9.58	Video-clip <i>in-session 9</i>

in-session 9

NFs IN INNOVATIVE ENDOVASCULAR MANAGEMENT OF COMPLEX EMERGENCIES: WHAT IS NEW?

Moderators: *Gabriele Piffaretti, Michele Rossi*

10.00	Ruptured aortic aneurysms: innovative endovascular management Speaker: <i>Antonio Freyrie</i> , Discussant: <i>Daniele Mascia</i>
10.11	Acute aortic dissection: innovative endovascular management Speaker: <i>Andrea Kahlberg</i> , Discussant: <i>Aaron Thomas Fargion</i>
10.22	Ruptured visceral aneurysms and pseudoaneurysms: innovative endovascular management Speaker: <i>Massimo Venturini</i> , Discussant: <i>Stefano Michelagnoli</i>
10.33	Acute pulmonary embolism: innovative endovascular management Speaker: <i>Gianpaolo Carrafiello</i> , Discussant: <i>Umberto Rossi</i>
10.44	General Discussion
10.58	Video-clip <i>in-session 10</i>

in-session 10

NFs AND TECHNOLOGICAL INSIGHTS IN ENDOVASCULAR MANAGEMENT OF ARTERIAL OCCLUSIVE DISEASES

Moderators: *Mauro Gargiulo, Matteo Tozzi*

11.00	New frontiers in aorto-iliac district with chronic total occlusions Speaker: <i>Raffaele Pulli</i> , Discussant: <i>Domenico Angiletta</i>
11.11	New frontiers in “full metal jacket” and innovative approaches in superficial femoral district with chronic total occlusions and/or calcified plaques Speaker: <i>Domenico Laganà</i> , Discussant: <i>Francesco Setacci</i>
11.22	New frontiers in tibial district of diabetic patients with calcified chronic total occlusions Speaker: <i>Marco Manzi</i> , Discussant: <i>Filippo Benedetto</i>
11.33	New frontiers in arterialization of the venous system in no-option patients with CLTI Speaker: <i>Roberto Ferraresi</i> , Discussant: <i>Maria Cristina Cervarolo</i>
11.44	General Discussion
11.58	Video-clip in-session 11

in-session 11

NFs IN COMPLEX STENOSIS AND DRUG-ELUTING TECHNOLOGY: NEW APPROACHES, NEW DISTRICTS

Moderators: *Alfredo Ruggero Galassi, Andrea Macchi*

12.00	New frontiers in carotid district with complex stenosis Speaker: <i>Gianluca Faggioli</i> , Discussant: <i>Efrem Civilini</i>
12.11	New frontiers in drug-eluting technology in coronary occlusions Speaker: <i>Matteo Montorfano</i> , Discussant: <i>Andrea Macchi</i>
12.22	New frontiers in drug-eluting technology in arterio-venous fistulas Speaker: <i>Matteo Tozzi</i> , Discussant: <i>Domenico Patanè</i>
12.33	New frontiers in drug-eluting technology in erectile dysfunction Speaker: <i>Giuseppe Sangiorgi</i> , Discussant: <i>Federico Dehò</i>
12.44	General Discussion
12.57	Video-clip in-congress A

in-key honorary lecture F

Moderator: *Massimo Venturini*

13.00	New frontiers and applications in glue embolization <i>Romarc Loffroy</i> “The problem is not the glue but the guy who injects it”
13.13	Lunch
13.58	Video-clip in-session 12

in-session 12

NFs IN VENOUS DISEASES: INNOVATIVE AND ALTERNATIVE ENDOVASCULAR APPROACHES

Moderators: *Marzia Lugli, Domenico Patanè*

14.00	Percutaneous/endovascular AVF creation: tips and tricks Speaker: <i>Federico Fontana</i> , Discussant: <i>Domenico Patanè</i>
14.11	Innovative strategies in iliocaaval obstruction recanalization Speaker: <i>Domenico Baccellieri</i> , Discussant: <i>Filippo Piacentino</i>
14.22	Innovative strategies in pelvic congestion syndrome endovascular management Speaker: <i>Antonio Basile, Francesco Vacirca</i> , Discussant: <i>Giulio Lombardi</i>
14.33	Innovative strategies in endovenous ablative techniques Speaker: <i>Chiara Lomazzi</i> , Discussant: <i>Luca Apruzzi</i>
14.44	General Discussion
14.58	Video-clip <i>in-session 13</i>

in-session 13

NFs IN NEUROVASCULAR DISEASES: INNOVATIVE APPROACHES AND INDICATIONS

Moderators: *Mauro Bergui, Luca Valvassori*

15.00	Update in stroke management Speaker: <i>Stefano Vallone</i> , Discussant: <i>Paolo Remida</i>
15.11	Flow-diverter stents: innovative indications Speaker: <i>Concetto Cristaudo</i> , Discussant: <i>Giuseppe Craparo</i>
15.22	Intrasaccular flow disruption for intracranial aneurysms: what is new? Speaker: <i>Andrea Giorgianni</i> , Discussant: <i>Giuseppe Guzzardi</i>
15.33	Future perspectives in neurovascular procedures using robot and artificial intelligence Speaker: <i>Pasquale Mordasini</i> , Discussant: <i>Claudio Chirico</i>
15.44	General Discussion

Endovascular Therapy industry focus (NON-CME PROGRAM)

Moderator: *Gabriele Piffaretti*

15.58	GE Healthcare Advanced imaging for endovascular procedures Speaker: <i>Giovanni Pratesi</i>
16.08	ab medica Treatment of visceral aneurysms with the innovative detachable Prestige coils Speaker: <i>Andrea Azzaretti</i>
16.18	Terumo Double-mesh stent in femoropopliteal treatment: Current registry Speaker: <i>Gianmarco de Donato</i>
16.28	BD The treatment algorithm in native and intrastent occlusive lesions Speaker: <i>Marco Manzi</i>
16.38	GEM – Aptiva Medical Glubran 2: a versatile and quick liquid agent for various embolotherapies Speaker: <i>Paolo Marra</i>
16.48	W.L. Gore How a history of continuous improvement is shaping our developments today and towards the future Speaker: <i>Wouter Vermeyen</i>
16.58	Video-clip <i>in-session 14</i>

in-session 14

NFs IN INTERVENTIONAL RADIOLOGY AND ENDOVASCULAR THERAPY OF THE LAST 6 MONTHS: WHAT IS NEW?

Moderators: *Matteo Tozzi, Massimo Venturini*

17.00	Textbook outcome and quality indicators after TACE and TARE for HCC Speaker: <i>Cristina Mosconi</i> , Discussant: <i>Massimo Venturini</i>
17.06	Physician modified techniques for complex aortic repair Speaker: <i>Michele Antonello</i> , Discussant: <i>Matteo Tozzi</i>

in-BEST YOUNG INNOVATIVE INTERVENTIONAL COMMUNICATION

Moderators: *Giovanni Mauri, Filippo Piacentino*

17.12	Mid-term outcomes of biliary drainage with new biodegradable stents in pediatric liver transplantation <i>Ludovico Dulcetta</i> (Bergamo), <i>Carbone F, Marra P, Muglia R, Sironi S.</i> Abstract selected by <i>Marco Calandri</i>
17.16	Microwave percutaneous ablation of the liver: comparison between 100W and 150W technology systems <i>Carolina Lanza</i> (Milano), <i>Carriero S, Ricapito F, Biondetti P, Ierardi AM, Carrafiello G.</i> Abstract selected by <i>Francesco Giurazza</i>
17.20	Liver venous deprivation (LVD) for volumetric and functional hypertrophy: evaluation of outcomes and comparison of transhepatic and transjugular approaches for hepatic vein embolization <i>Domenico Santangelo</i> (Milano), <i>Della Corte A, Ratti F, Gusmini S, Aldrighetti L, De Cobelli F.</i> Abstract selected by <i>Pierleone Lucatelli</i>

in-BEST YOUNG INNOVATIVE ENDOVASCULAR COMMUNICATION

Moderators: *Andrea Kahlberg, Gabriele Piffaretti*

17.24	Preliminary results from a multicenter Italian registry on the use of a novel “custom/off-the-shelf” inner-branch device for the treatment of complex thoraco-abdominal aortic lesions <i>Lucia Di Stefano</i> (Bari), <i>Palermo D, Cucci AS, Attolini S, Zacà S, Angiletta D.</i> Abstract selected by <i>Filippo Benedetto</i>
17.28	Current endovascular management of arterial complications after pediatric liver transplantation in a tertiary center <i>Paolo Marra</i> (Bergamo), <i>Muglia R, Capodaglio C, Dulcetta L, Carbone F, Sironi S.</i> Abstract selected by <i>Mario D’Oria</i>
17.32	Aortic neck remodeling after endovascular aortic repair using Conformable Endoprosthesis with Active Control System <i>Alessandra Fittipaldi</i> (Messina), <i>Castellana FM, Bonfiglio E, Pipitò N, Benedetto F.</i> Abstract selected by <i>Enrico Gallitto</i>

in-BEST INNOVATIVE INTERVENTIONAL PAPER 2022-23

Moderators: Maurizio Cariati, Matteo Tozzi, Massimo Venturini

17.36	<p>Automatically Extracted Machine Learning Features from Preoperative CT to Early Predict Microvascular Invasion in HCC: The Role of the Zone of Transition (ZOT). <i>Cancers</i> 2022; 14(7):1816</p> <p>Matteo Renzulli (Bologna), Mottola M, Coppola F, Coccoza MA, Malavasi S, Cattabriga A, Vara G, Ravaioli M, Cescon M, Vasuri F, Golfieri R, Bevilacqua A. Paper selected and presented by Gianpaolo Carrafiello</p>
17.38	<p>Percutaneous Thermal Segmentectomy: Proof of Concept. <i>Cardiovasc Intervent Radiol</i> 2022; 45(5):665-676</p> <p>Lucatelli P, Argirò R, Crocetti L, Rocco B, Bozzi E, Gasparrini F, Tanzilli A, Catalano C, Roberto Iezzi (Roma) Paper selected and presented by Paolo Fonio</p>
17.40	<p>In Vivo Comparison of Micro-Balloon Interventions (MBI) Advantage: A Retrospective Cohort Study of DEB-TACE Versus b-TACE and of SIRT Versus b-SIRT. <i>Cardiovasc Intervent Radiol</i> 2022; 45(3):306-314</p> <p>Pierleone Lucatelli (Roma), De Rubeis G, Trobiani C, Ungania S, Rocco B, De Gyurgyokai SZ, Masi M, Pecorella I, Cappelli F, Lai Q, Catalano C, Vallati G. Paper selected and presented by Rita Golfieri or Cristina Mosconi</p>

in-BEST INNOVATIVE ENDOVASCULAR PAPER 2022-23

Moderators: Maurizio Cariati, Matteo Tozzi, Massimo Venturini

17.42	<p>Inner branched complex aortic repair outcomes from a national multicenter registry using the Extra design platform. <i>J Vasc Surg</i> 2023; 77(2):338-346</p> <p>Gioele Simonte (Perugia), Isernia G, Gatta E, Neri E, Parlani G, Candeloro L, Schiavon S, Pagliariccio G, Cini M, Lenti M, Carbonari L, Ricci C. Paper selected and presented by Michele Antonello</p>
17.44	<p>A Novel Scoring System for Small Artery Disease and Medial Arterial Calcification Is Strongly Associated With Major Adverse Limb Events in Patients With Chronic Limb-Threatening Ischemia. <i>J Endovasc Ther</i> 2021; 28(2):194-207</p> <p>Roberto Ferraresi (Paderno Dugnano), Ucci A, Pizzuto A, Losurdo F, Caminiti M, Minnella D, Casini A, Clerici G, Montero-Baker M, Mills J. Paper selected and presented by Mauro Gargiulo</p>
17.46	<p>Percutaneous transaxillary access for endovascular aortic procedures in the multicenter international PAXA registry. <i>J Vasc Surg</i> 2022; 75(3):868-876.e3</p> <p>Luca Bertoglio (Brescia), Conradi L, Howard DPJ, Kaki A, Van den Eynde W, Rio J, Montorfano M, Dias NV, Ronchey S, Parlani G, Chiesa R, Schewel J; of the PAXA Collaborators. Paper selected and presented by Santi Trimarchi</p>

VOTES AND AWARDS

17.48	<i>in</i> -BEST YOUNG INNOVATIVE INTERVENTIONAL COMMUNICATION
17.50	<i>in</i> -BEST YOUNG INNOVATIVE ENDOVASCULAR COMMUNICATION
17.52	<i>in</i> -BEST INNOVATIVE INTERVENTIONAL PAPER 2022-2023
17.54	<i>in</i> -BEST INNOVATIVE ENDOVASCULAR PAPER 2022-2023
17.56	Video-clip <i>in</i> -congress C2

in-congress CLOSING

in-Presidents: Maurizio Cariati, Matteo Tozzi, Massimo Venturini

17.59	Closing Remarks
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...thank you for participating!
We look forward to welcoming you
to the next *in*-congress in 2025!

***in*-session modalities, recommendations for moderators/speakers/discussants and slides preparation**

in-congress consists of 14 *in*-sessions, 6 *in*-key honorary lectures, 2 industry focuses and an *in*-innovation challenge at the end of the congress. Each one-hour *in*-session (first 13 *in*-sessions) is made of 4 presentations with 2 moderators, 4 speakers and 4 discussants. Each speaker has 8 minutes to present their slides (slides in English, talk in Italian or English). At the beginning of each session discussants will sit at the panel table together with the moderators. At the end of each presentation 3 minutes will be dedicated to a short discussion between discussant and speaker: the discussant may ask up to 2 questions to the speaker before moving on to the next presentation. At the end of the 4 presentations, the moderators will open the general discussion which will last up to 14 minutes and will be expected to ask questions and also to involve the audience in the discussion. The moderators will also be expected to rigorously oversee: if necessary, the general discussion will have to be shortened. A strict compliance with the presentation time for both speakers (8 minutes) and discussants (3 minutes) is strongly recommended: the speakers will be notified at the end of the 8 minutes. At the exact ninth minute of the presentation the slides will disappear from the screen. In this case discussants, will be allowed to ask the speaker just one question.

The exception is *in*-session 14 made up of 2 presentations of 5 minutes each with a mini-discussion with the discussant/moderator lasting 1 minute without general discussion with the audience.

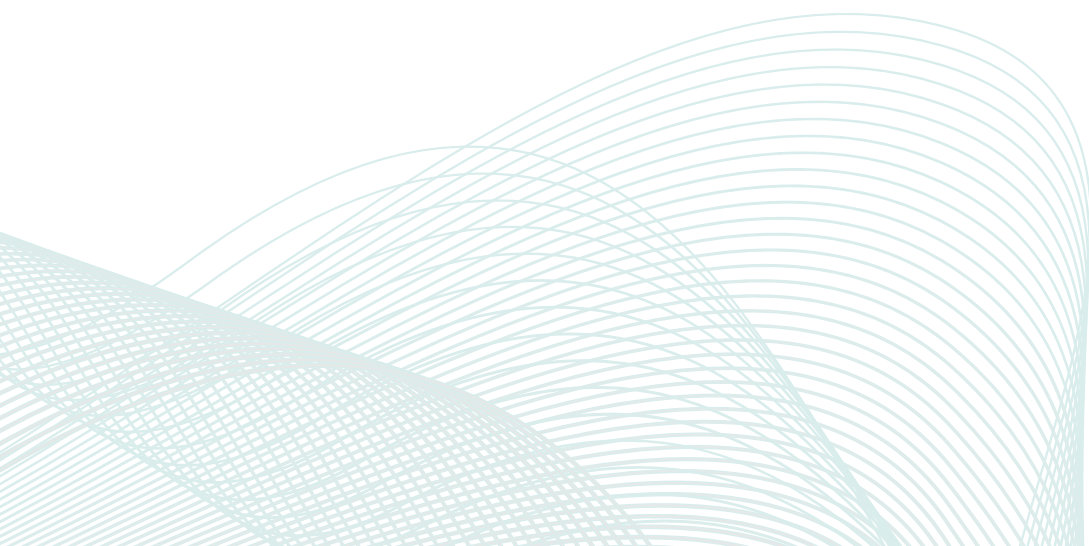
Presentation video clips lasting 90-120 seconds of a procedure of one of the 4 speakers, will be broadcasted before each session according to the *in*-entertainment modalities. The *in*-key honorary lectures will have one moderator and one speaker and will last 13 minutes: in this time, moderators will be allowed to ask the speaker up to 2 questions. Industry focus sessions consist of 6 presentations each day for a total of 12 presentations (10 minutes), proposed by the companies and approved by the *in*-congress scientific committee.

Moderators of *in*-key honorary lectures and industry focuses must oversee that presentation times are respected. Slides preparation must comply with the *in*-congress template: a maximum of 15 slides for the presentations and 27 slides for the *in*-key honorary lectures is highly recommended. Speakers should provide the Faculty Room technical staff with presentation/s at least 2 hours before the beginning of the session. Speakers whose session is scheduled as the first in the morning, are kindly invited to deliver their presentation the day before.

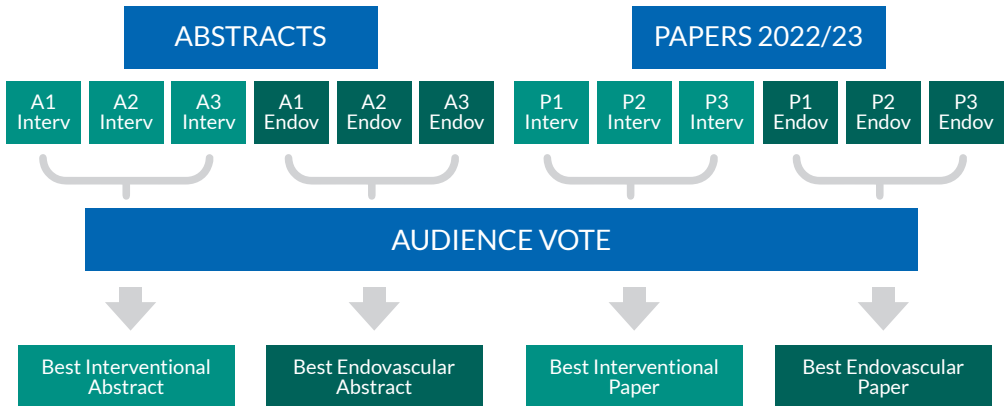
in-innovation challenge rules

in-innovation challenge has been conceived to increase the interest of attendees up to the very end of the *in-congress*. After a preliminary selection by the Faculty and presentations of the speakers, all attendees will be asked to vote the best young innovative interventional communication, the best young innovative endovascular communication, the best innovative interventional paper 2022-2023, the best innovative endovascular paper 2022-2023 (exceptionally significant papers of 2021 may be considered). The 4 best “innovators” will be finally awarded with a commemorative plaque (see summary table of *in-innovation challenge*). Gianpaolo Carrafiello (Milano), Paolo Fonio (Torino) and Rita Golfieri or Cristina Mosconi

(Bologna) will present the 2022-23 best innovative interventional papers, while Michele Antonello (Padova), Mauro Gargiulo (Bologna) and Santi Trimarchi (Milano) the 2022-23 best innovative endovascular papers. At the *in-congress* the two selection committees will have 90-120 seconds to explain the reasons for their choice (slide, with the title page of the selected paper published on PubMed). Subsequently the audience will vote for the “4 best innovators” and they will be each awarded. In this final part of the *in-congress*, the moderators will also be expected to rigorously oversee that presentation timings are respected (*in-innovation challenge* does not include discussions).



Summary table of *in*-innovation challenge



in-entertainment organization

in-entertainment has been designed and organized by Massimo Venturini with the help of Caterina Corni (modern and oriental art curator), Umberto Corni (professional photographer, video-clips *in*-congress maker), Nadia Falcone (soundtrack curator and vocalist) and Malpensa24 group (video-clips *in*-session maker).

The aim of the *in*-entertainment is to create an innovative atmosphere made of images, lights, sounds, flavours that we hope will make the intervals between presentations more enjoyable and pleasant. All the details of the *in*-entertainment will be revealed during the *in*-congress.

GENERAL INFORMATION

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ANGIODROID	2	GUERBET	13
APTIVA MEDICAL	10	MEDTRONIC	7
BD	5	PHILIPS	4
COOK MEDICAL	12	SIEMENS HEALTHINEERS	11
CROSSMED	1	TERUMO	8
GE HEALTHCARE	6		

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