



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI
SCIENZE MEDICHE E CHIRURGICHE



SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Ospedaliero - Universitaria di Bologna
IRCCS Istituto di Ricovero e Cura a Carattere Scientifico

POLICLINICO DI **SANT'ORSOLA**

2023

TECHNOLOGIES ENDOVASCULAR ARTERIAL REPAIR

Bologna (Italy)
December 11-12, 2023
Royal Hotel Carlton

Under the auspices of



FACULTY

Abualhin Mohammad (*Bologna, Italy*)

Aho Pekka (*Helsinki, Finland*)

Ancetti Stefano (*Bologna, Italy*)

Antonello Michele (*Padua, Italy*)

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Chakfé Nabil (*Strasbourg, France*)

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Chiesa Roberto (*Milan, Italy*)

Chisci Emiliano (*Florence, Italy*)

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D'Oria Mario (*Trieste, Italy*)

De Borst Gert Jan (*Utrecht, The Netherlands*)

De Donato Gianmarco (*Siena, Italy*)

De Vries Jean Paul (*Groningen, The Netherlands*)

Debus Sebastian (*Hamburg, Germany*)

Di Marzo Luca (*Rome, Italy*)

Eckstein Hans-Henning (*Munich, Germany*)

Esposito Giovanni (*Naples, Italy*)

Faggioli Gianluca (*Bologna, Italy*)

Fargion Aaron Thomas (*Florence, Italy*)

Fazzini Stefano (*Rome, Italy*)

Fernandez Prendes Carlota (*Munich, Germany*)

Ferraresi Roberto (*Milan, Italy*)

Ferrer Ciro (*Rome, Italy*)

Freyrie Antonio (*Parma, Italy*)

Gaggiano Andrea (*Turin, Italy*)

Gallitto Enrico (*Bologna, Italy*)

Gargiulo Mauro (*Bologna, Italy*)

Grego Franco (*Padua, Italy*)

Halliday Alison (*Oxford, United Kingdom*)

Haulon Stephan (*Paris, France*)

Ippoliti Arnaldo (*Rome, Italy*)

Isernia Giacomo (*Perugia, Italy*)

Kahlberg Andrea Luitz (*Milan, Italy*)

Karelis Angelos (*Malmö, Sweden*)

Kölbel Tilo (*Hamburg, Germany*)

Kolh Philippe (*Liège, Belgium*)

Lanza Gaetano (*Castellanza, Italy*)

Lenti Massimo (*Perugia, Italy*)

Lepidi Sandro (*Trieste, Italy*)

Mallios Alexandros (*Paris, France*)

Mangialardi Nicola *(Rome, Italy)*

Mansilha Armando *(Porto, Portugal)*

Manzi Marco *(Abano Terme, Italy)*

Marrozzini Cinzia *(Bologna, Italy)*

Mascoli Chiara *(Bologna, Italy)*

Mauro Raffaella *(Bologna, Italy)*

Melissano Germano *(Milan, Italy)*

Micari Antonio *(Messina, Italy)*

Michelagnoli Stefano *(Florence, Italy)*

Mirza Aleem *(Houston, USA)*

Modarai Bijan *(London, United Kingdom)*

Monami Matteo *(Florence, Italy)*

Nano Giovanni *(Milan, Italy)*

Naylor Ross *(Leicester, United Kingdom)*

Palmerini Tullio *(Bologna, Italy)*

Paraskevas Kosmas *(Athens, Greece)*

Pasquinelli Gian Andrea *(Bologna, Italy)*

Pecoraro Felice *(Palermo, Italy)*

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Saia Francesco *(Bologna, Italy)*

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Sirignano Pasqualino *(Rome, Italy)*

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Stabile Eugenio *(Potenza, Italy)*

Stella Andrea *(Bologna, Italy)*

Taurino Maurizio *(Rome, Italy)*

Tozzi Matteo *(Varese, Italy)*

Trimarchi Santi *(Milan, Italy)*

Troisi Nicola *(Pisa, Italy)*

Tshomba Yamume *(Rome, Italy)*

Tsilimparis Nikolaos *(Munich, Germany)*

Vacirca Andrea *(Bologna, Italy)*

Venermo Maarit *(Helsinki, Finland)*

Veraldi Gian Franco *(Verona, Italy)*

Veroux Pierfrancesco *(Catania, Italy)*

Verzini Fabio *(Turin, Italy)*

Zamboni Paolo *(Ferrara, Italy)*



DECEMBER 11th 2023

09.00 Introduction

M. Gargiulo (Bologna), **G.A. Pasquinelli** (Bologna)

09.15

SESSION 1

ONGOING ISSUES IN CEREBRO-VASCULAR DISEASE

■ *Chairpersons:* **H.H. Eckstein** (Munich), **GL. Faggioli** (Bologna), **G. Lanza** (Castellanza)

High-on-treatment platelet reactivity in carotid artery stenting

M. Lenti (Perugia)

Are dual-layer stents effective in ameliorating the results of carotid artery revascularization?

A. Schwindt (Munster)

Timing of carotid artery revascularization after an acute ischemic event

R. Naylor (Leicester)

Treatment of acute ischemic stroke determined by carotid artery stenosis or occlusion: contemporary approach

L. Cirillo (Bologna)

Sex related differences in indication and procedural outcomes of carotid interventions

M. Venermo (Helsinki)

Clinical outcome in carotid endarterectomy performed with mini skin incision

A. Mansilha (Porto)

Treatment of proximal atherosclerotic lesions of the supraortic trunks

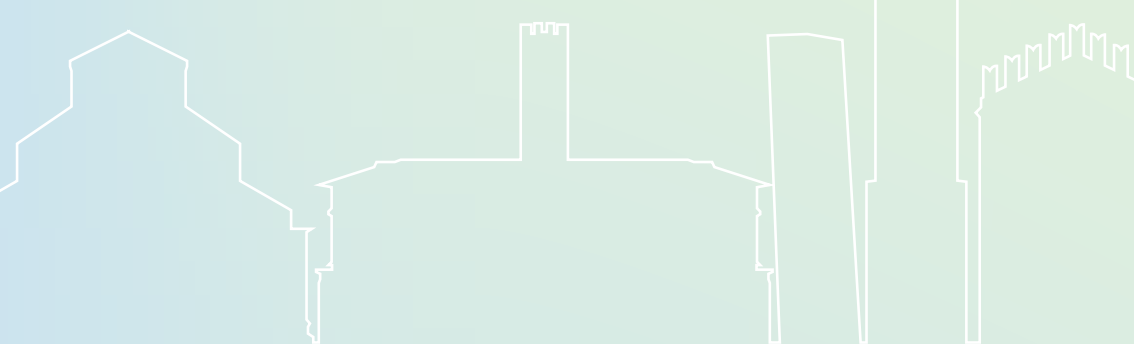
G.J. de Borst (Utrecht)

Strategies in the management of traumatic lesions of the neck

S. Lepidi (Trieste)

10.55

COFFEE BREAK



DECEMBER 11th 2023

11.15 SESSION 2 ASYMPTOMATIC CAROTID DISEASE

■ Chairpersons: **A. Freyrie** (Parma), **A. Gaggiano** (Turin), **R. Naylor** (Leicester)

Randomised controlled trials on carotid revascularization.
Differences between trial populations and clinical practice

H.H. Eckstein (Munich)

Contemporary therapeutic approach to asymptomatic carotid stenosis

R. Naylor (Leicester)

Temporal trends and determinants of stroke risk in patients with medically treated asymptomatic carotid stenosis

G.J. de Borst (Utrecht)

Effect of ACST2 results on vascular surgery practice in Europe

A. Halliday (Oxford)

The incidence of ischemic events in a real world population of patients with asymptomatic carotid disease

R. Pini (Bologna)

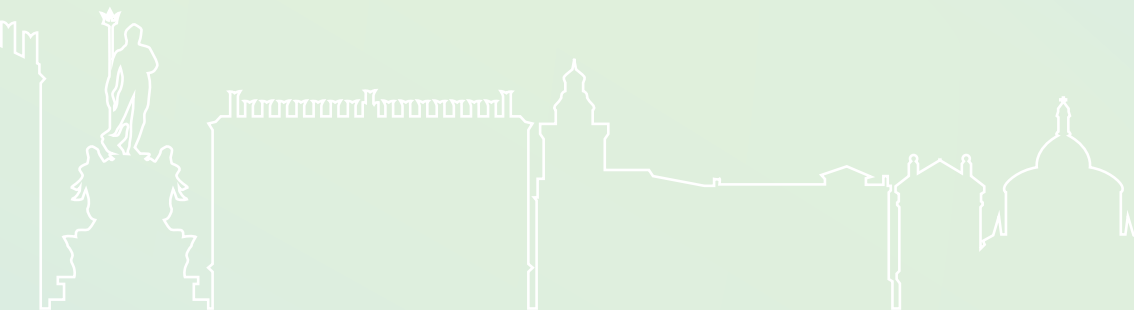
Does carotid disease effect cognitive performance?

K. Paraskevas (Athens)

12.30 KEY LECTURE

Present and future of carotid artery endovascular revascularization

A. Halliday (Oxford)





DECEMBER 11th 2023

12.45 LUNCH SESSION VASCULAR SURGEONS AND INTERVENTIONAL CARDIOLOGISTS TOGETHER ON THE PATIENT

■ Chairpersons: **C. Marrozzini** (Bologna), **S. Michelagnoli** (Florence), **M. Taurino** (Rome)

The current role of coronary artery assessment in major vascular surgery

E. Stabile (Potenza)

A real world approach to the combined treatment of cardiac and carotid disease.
Are current guidelines appropriate?

G. Esposito (Naples)

Vascular access in patients with peripheral arterial disease undergoing TAVI

F. Saia (Bologna)

Surgical and endovascular treatment of vascular complications during TAVI

A.L. Kahlberg (Milan)

TAVI and aortic disease: the results of combined treatment

S. Ancetti (Bologna)

13.45 COFFEE BREAK

14.00 SESSION 3 PERIPHERAL ARTERIAL OCCLUSIVE DISEASE AND SEVERE CALCIFIED LESIONS

■ Chairpersons: **M. Abualhin** (Bologna), **L. Di Marzo** (Rome), **F. Peinetti** (Aosta)

Intravascular lithotripsy in hostile and calcified iliac access to facilitate aortic endovascular repair

S. Fazzini (Rome)

Flexible treatment of calcific common femoral artery disease

N. Troisi (Pisa)

What kind of lesions should be treated with a novel braided nitinol stent?

G. De Donato (Siena)

What have we learned from the 5 year results of the IN.PACT Global Study

A. Micari (Messina)

New technology to cross, adjust and restore

M. Manzi (Abano Terme)

Post PTA dissections are commonplace when treating occlusive disease - but what do we do with them?

E. Blessing (Hamburg)

Pedal arterial calcification score is associated with the risk of major amputation in chronic limb-threatening ischemia

R. Ferraresi (Milan)

DECEMBER 11th 2023

15.30 SESSION 4 NEW PERSPECTIVES IN HEMODIALYSIS PATIENTS AND IN WOUND HEALING PATIENTS WITH CLTI

■ Chairpersons: **M. Manzi** (Abano Terme), **R. Mauro** (Bologna), **M. Venermo** (Helsinki)

A regenerative synthetic polymer vascular graft for arteriovenous fistula

M. Tozzi (Varese)

Percutaneous creation of hemodialysis fistula.

Is there a role in the upper arm algorithm? [ON LINE](#)

Alexandros Mallios (Paris)

Percutaneous treatment of thrombosed hemodialysis arteriovenous fistulas with thromboaspiration

M. Tozzi (Varese)

Deep venous arterialization for patients with no-option chronic limb-threatening ischemia

R. Ferraresi (Milan)

Postprocedural management of patients after percutaneous deep venous arterialization

J.P. de Vries (Groningen)

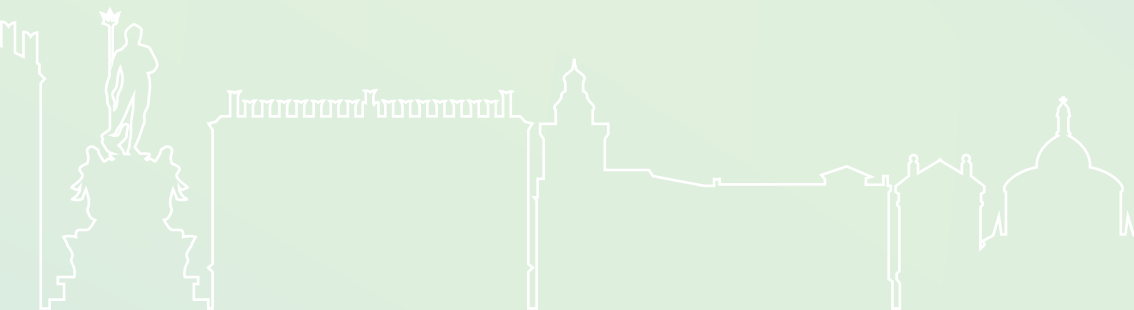
Characteristic and minimal requirement for cell therapy point of care device [ON LINE](#)

P. Provitera (New York)

Wound healing with the transplant of autologous monocytes

M. Monami (Florence)

16.55 COFFEE BREAK





DECEMBER 11th 2023

17.15

SESSION 5 ENDOLEAKS IN EVAR

■ Chairpersons: **A. Ippoliti** (Rome), **G. Nano** (Milan), **A. Stella** (Bologna)

The fate of aneurysm sac after EVAR as a predictor of long-term outcomes

R. Pulli (Florence)

Late outcome of abdominal persistent type II endoleak

P. Sirignano (Rome)

Impact of intraoperative sac embolization on abdominal persistent type II endoleak

- The role of fiber coils

C. Mascoli (Bologna)

- The role of hydrogel coils

M. Antonello (Padua)

Endograft apposition in the iliac landing zone and causes for type IB endoleak

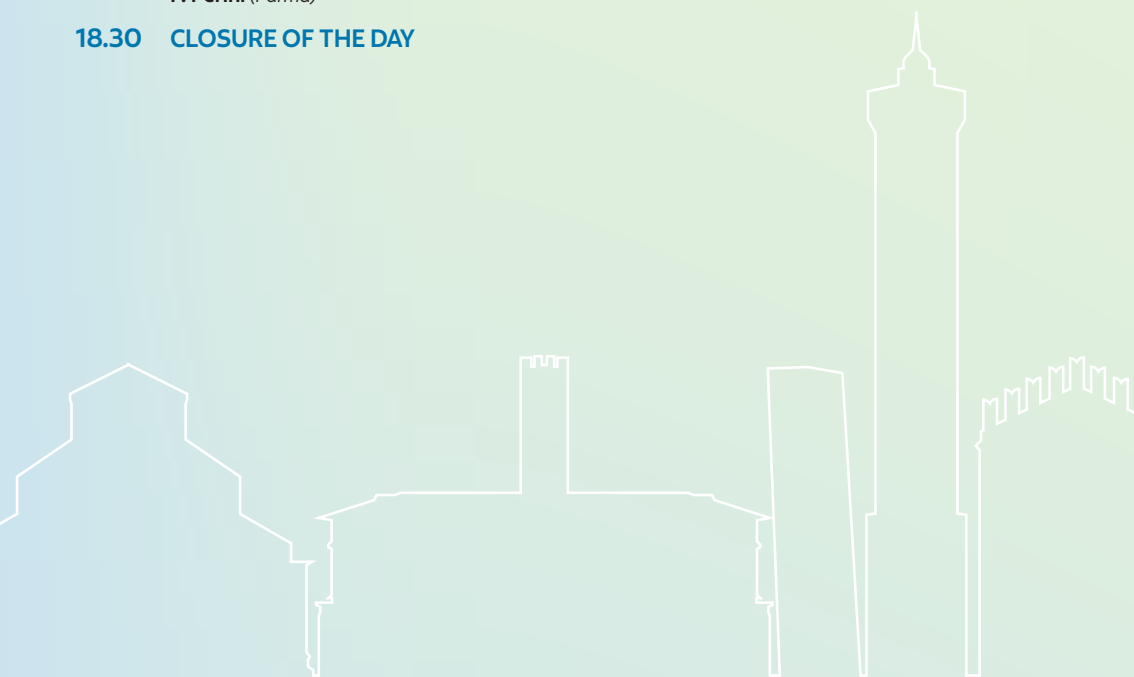
J.P. de Vries (Groningen)

Open conversion for treatment of endoleaks

P. Perini (Parma)

18.30

CLOSURE OF THE DAY



DECEMBER 12th 2023

08.30 SESSION 6
OPEN TREATMENT OF AORTO-VISCERAL DISEASE
AND ENDOGRAFT COMPLICATIONS

■ Chairpersons: **S. Bartoli** (Rome), **N. Chakfé** (Strasbourg), **F. Grego** (Padua)

Hybrid graft using retrograde visceral perfusion for thoracoabdominal aortic repair

S. Debus (Hamburg)

Surgical conversion of fenestrated and branched endografts

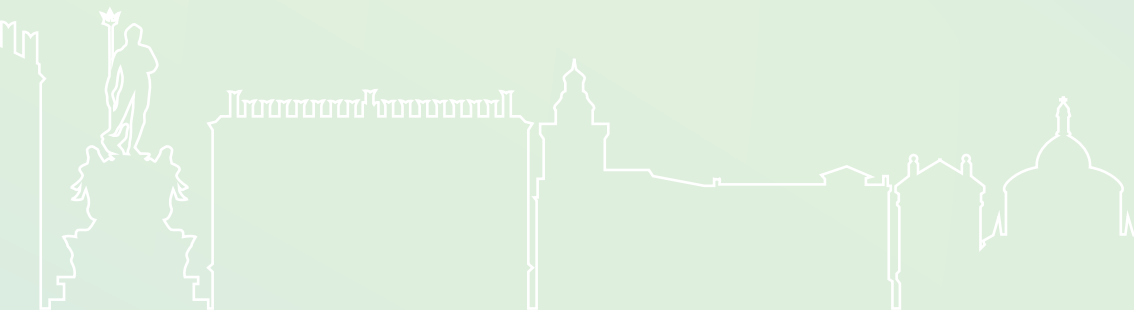
R. Chiesa (Milan)

Bovine pericardial grafts as conduit for aortic reconstruction in endograft infection

Y. Tshomba (Rome)

Open and endovascular treatment of chronic bowel ischemia

L. Chiche (Paris)





DECEMBER 12th 2023

09.20 SESSION 7 AORTIC ARCH DISEASE

■ Chairpersons: **R. Chiesa** (Milan), **S. Debus** (Hamburg), **A. Mansilha** (Porto)

Is endobentall a reality or a project?

S. Haulon (Paris)

Outcomes of fenestrated and branched endografts for partial and total endovascular repair of the aortic arch

P. Spath (Rimini)

Preliminary results from an Italian National Registry on the outcomes of fenestrated aortic arch endograft

G. Isernia (Perugia)

Triple-branch arch device with retrograde left common carotid branch

S. Haulon (Paris)

Single branch endograft for aortic arch disease

A. Mirza (Houston)

New device for in situ fenestration of the left subclavian artery during zone 2 TEVAR

G. Piffaretti (Varese)

Physician-made fenestration in aortic arch

P. Veroux (Catania)

Optimal treatment of aortic arch lesions: customized, off the shelf or physician modified endograft

N. Mangialardi (Rome)

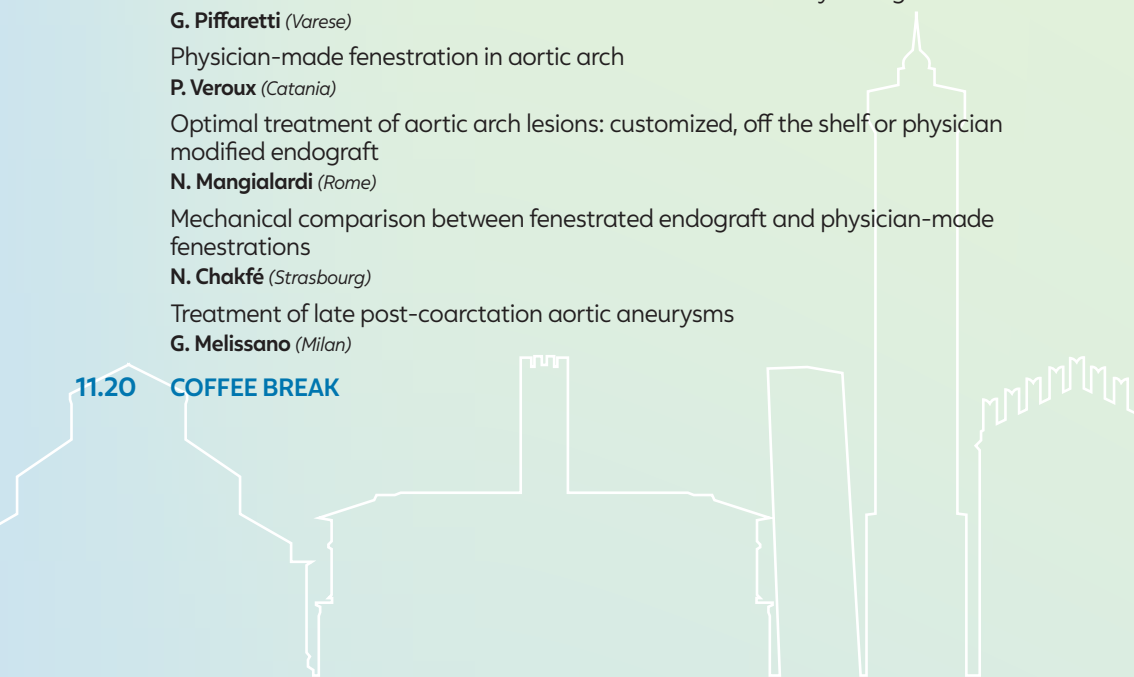
Mechanical comparison between fenestrated endograft and physician-made fenestrations

N. Chakfé (Strasbourg)

Treatment of late post-coarctation aortic aneurysms

G. Melissano (Milan)

11.20 COFFEE BREAK



DECEMBER 12th 2023

11.40 **SESSION 8**
TYPE B AORTIC DISSECTION

■ Chairpersons: **S. Haulon** (Paris), **G. Pratesi** (Genoa), **S. Ronchey** (Rome)

Suboptimal results of medical treatment of type B dissection

F. Verzini (Turin)

IRAD: trends in management and outcomes of type B aortic dissection

S. Trimarchi (Milan)

Malperfusion syndrome after type B aortic dissection

N. Tsilimparris (Munich)

Custom made candy plug for distal false lumen occlusion in aortic dissection

T. Kölbel (Hamburg)

Celiac artery coverage in thoracic endovascular aortic procedure

G.F. Veraldi (Verona)

Fenestrated-branched endovascular aortic repair of chronic post-dissection thoracoabdominal aortic aneurysms

B. Modarai (London)

12.55 **LUNCH SESSION**
THORACO-ABDOMINAL AORTIC DISEASE

■ Chairpersons: **B. Modarai** (London), **C. Ruotolo** (Naples), **A. Stella** (Bologna)

The association of sarcopenia and ASA score to spinal cord ischemia in patients treated with the off the shelf device

T. Kölbel (Hamburg)

Risk score in predicting follow up mortality after endovascular treatment of TAAAs

E. Gallitto (Bologna)

Outcomes of elective and non-elective fenestrated-branched endovascular aortic repair for TAAAs treatment

A. Mirza (Houston)

Outcomes after endovascular aortic intervention in patients with connective tissue disease

T. Kölbel (Hamburg)

In-hospital cost-effectiveness analysis of open versus staged fenestrated/branched endovascular elective repair of thoracoabdominal aneurysms

L. Bertoglio (Brescia)

Centralisation of endovascular treatment of aortic arch disease and thoraco-abdominal aortic aneurysm

P. Kolh (Liège)

14.10 **COFFEE BREAK**



DECEMBER 12th 2023

14.20 SESSION 9 ENDOGRAFT INNOVATION IN ENDOVASCULAR AORTIC REPAIR

■ Chairpersons: **F. Benedetto** (Messina), **GL. Faggioli** (Bologna), **P. Zamboni** (Ferrara)

Suspended radiation protection system in EVAR

P. Aho (Helsinki)

Ruptured abdominal aortic aneurysms: EVAR with the use of carbon dioxide angiography alone

E. Chisci (Florence)

Preloaded delivery system for fenestrated endovascular aortic repair

N. Tsilimparis (Munich)

Double-cuff bidirectional branch in endovascular aortic repair

A. Karelis (Malmo)

The hybrid stent-graft technique in bridging hostile renal arteries in thoraco-abdominal branched endograft

E. Gallitto (Bologna)

Multibranched off-the-shelf stent graft in complex aortic aneurysms with narrow internal aortic lumen

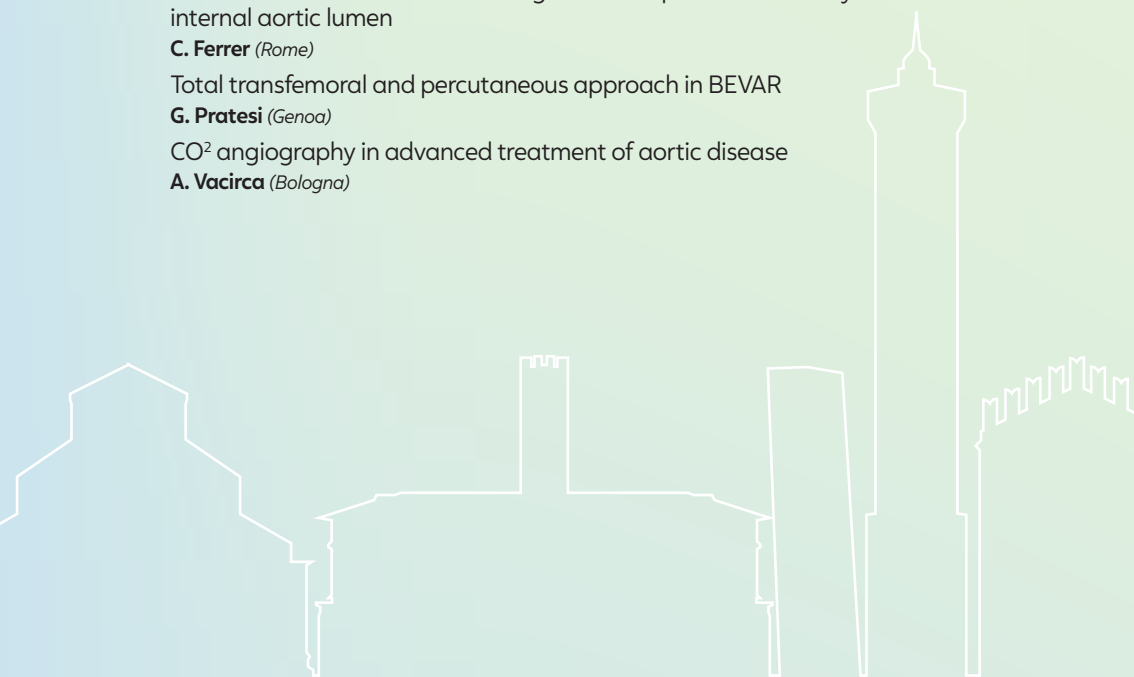
C. Ferrer (Rome)

Total transfemoral and percutaneous approach in BEVAR

G. Pratesi (Genoa)

CO₂ angiography in advanced treatment of aortic disease

A. Vacirca (Bologna)



DECEMBER 12th 2023

16.00 **SESSION 10**
ENDOVASCULAR TREATMENT OF AORTIC DISEASE
IN OCTOGENARIAN PATIENTS

■ *Chairpersons: U.M. Bracale (Naples), M. Gargiulo (Bologna), F. Pecoraro (Palermo)*

Outcomes of endovascular treatment of structural heart disease

T. Palmerini (*Bologna*)

TEVAR in elective thoracic aortic aneurysm repair

S. Bonardelli (*Brescia*)

The FEVOC study: fenestrated endovascular aortic repair in octogenarian patients

C. Fernandez Prendes (*Munich*)

Outcomes in ruptured abdominal aortic aneurysms

Z. Rancic (*Zurich*)

EVAR in elective abdominal aortic aneurysm repair

M. D'Oria (*Trieste*)

Iliac branch devices: outcome and indications

A.T. Fargion (*Florence*)

17.20 **CLOSING REMARKS**

