The CARACT conference has not changed compared to previous years; it remains a conference for anaesthetists who work in intensive care, particularly in the cardiothoracic-vascular sector. This year, a joint venture with ISMETT (the Mediterranean Institute for Transplantation and Advanced Specialised Therapies)-Pittsburgh group has allowed us to combine the organ transplant and MEDTASS (Mediterranean Transplantation Anaesthesiology and Simulation Symposium) components, which are of enormous importance in terms of fact-finding and training aspects, into one single event. MEDTASS-CARACT is already promising to be a winning combination. What remains unchanged compared to previous years is the inclusion of conference workshops, which are designed to provide the technical and scientific information that is essential when treating high-risk patients. The experts who will attend, esteemed both at a national and international level, will discuss pertinent and controversial issues such as sepsis, the extracorporeal treatment of cardiorespiratory diseases, extracorporeal blood purification, new medicines, simulation as applied to surgery and anaesthesia, the organisation of treatments for critical care patients, electrocardiography, airway obstruction management, etc. The main focus is on ECMO methods, new technologies and materials and avantgarde anaesthesiological and resuscitation techniques, all of which contribute to making our study group a team boasting high expertise. The conference will be an important crossroads where many consultants, anaesthetists, surgeons, cardiologists, intensivists, infectologists, radiologists, perfusion technicians and nurses can meet and discuss issues in order to find mutually agreed solutions to the problems faced by critical care patients; in short, a whole range of issues regarding anaesthesia and intensive care that will certainly interest members of the national and international medical community.

The rationale therefore remains that of improving our understanding and training physicians in the most avantgarde treatment techniques so as to tackle the problems faced by critical care patients more efficiently.
Faculty

**CONFERENCE PRESIDENTS:** A. Arcadipane, A. Corcione, R. Planinsic.

**SCIENTIFIC COMMITTEE:** S. Cattaneo, I. Blangetti, F. Piccioni, A. Locatelli, L. Lorini, L. Tritapepe
Thursday 6th April

PRE-CONGRESS THEMATIC COURSES

09.30 - 10.30  Welcome coffee
10.30 - 12.30
Simulation 1  SALA SVEVI
Volume and hemodynamic management: different scenarios
G. Panarello (Palermo), G. Burgio (Palermo)

Simulation 2  SALA ARAGONESI 1
Coagulation management in the cardiovascular patient: up to date
K. Tanaka (USA), K. Goerlinger (USA), G. Martucci (Palermo)

Simulation 3  SALA ARAGONESI 2
Anesthesia crisis
J. Quinlan (USA), R. Planinsic (USA), D. Metro (USA)

Simulation 4  SALA MELOGRANO
Difficult Airway management
M. Sorbell (Catania), S.J. Raineri (Palermo), G. Chiaromonte (Palermo)

14.00  SALA NORMANNI
Opening remarks
A. Arcadipane (Palermo), A. Corcione (Napoli), R. Planinsic (USA)

WORKSHOP

14.30 - 16.30  SALA NORMANNI
Workshop 1
The end of an era: The EX Vivo technique for organs perfusion and other strategies in the era of the marginal donors

Chairmen: G. Burgio (Palermo), B. Piazza (Palermo)
The lung EX Vivo perfusion (20')
A. Bertani (Palermo)
The liver EX Vivo perfusion (20')
S. Gruttadauria (Palermo)
The use of ECMO in the donation after cardiac death (20')
M. Zanierato (Pavia)

Thursday 6th April

What going on with the recipient of the cardiac death donor? (20')
A. De Gasperi (Milano)
Living donor liver transplant is it still an option in the western countries? (20')
R. Planinsic (Pittsburgh, USA)

16.30 - 16.45  Coffee break

14.30 - 16.30  SALA ARAGONESI 2
Workshop 2
Endotoxemia and shock in cardiac surgery: early treatment and prevention of complications with ALTECO LPS ADSORBER

Chairmen: L. Lorini (Bergamo), Luigi Belloni (Caserta), Davide Ghitti (Bergamo)
Open Session and Welcome (10')
L. Belloni (Caserta)
Sepsis and Septic Shock: Physiopathology (20')
G. Albano (Bergamo)
Endotoxemia and post-surgery complications: LPS adsorption in septic patients after cardiac surgery (30')
G. Tsaryanski (Sofia)
Clinical experience: Early use of the LPS Adsorber in Aortic Dissection Type A (20')
N. Tenga (Caserta)
Technical aspects and application of the LPS Adsorber device during extracorporeal circulation in cardiac surgery in Aortic Dissection Type A (20')
G. Pinto (Caserta)
Presentation of the Protocol: Use of the LPS Adsorber in Aortic Dissection Type A (20')
L. Belloni (Caserta)

16.30 - 16.45  Coffee break

14.30 - 16.30  SALA ARAGONESI 1
Workshop 3
SEPSIS 2016 in the setting of cardio-thoracic, vascular and transplant surgery

Chairmen: A. Giarratano (Palermo), S. Faenza (Bologna)
Bacterial sepsis in cardio-thoracic and vascular surgery (30')
A. Cortegiani (Palermo), V. Russotto (Palermo)
Thursday 6th April

Debriefing and discussion [30’]
S.M. Raineri (Palermo)

Fungal sepsis in cardio-thoracic and vascular surgery [30’]
A. Cortegiani (Palermo), V. Russotto (Palermo)

Debriefing and discussion [30’]
S.M. Raineri (Palermo)

16.30 - 16.45 Coffee break

14.30 - 16.15 SALA MELOGRANO Workshop 4

An update on the monitoring and managing of cardiothoracic-vascular neuromuscular blockade

Chairmen: A. Locatelli (Cuneo), C. Palmeri di Villalba (Palermo)

An update on the general principles of neuromuscular blockade [30’]
M. Carron (Padova)

The importance of monitoring neuromuscular blockade [30’]
F. Piccioni (Milano)

The reversal of neuromuscular blockade and the benefits of using Sugammadex
C. Palmeri (Palermo)

16.15 - 16.45 Coffee break

FOCUS

16.45 - 18.00 SALA MELOGRANO Focus 1

Sedation and delirium in critical care patients

Chairmen: L. Tritapepe (Roma), E. Mondello (Messina)

Opioid Epidemic: impact upon clinical care and treatment strategies [20’]
H. Gutstein (USA)

Delirium in ICU [20’]
N. Latronico (Brescia)

The perioperative care of critical patients subjected to interventional procedures

Joint session with GISe

Chairmen: G. Musumeci (Cuneo), A. Locatelli (Cuneo)

TAVI - Risk Stratification - cardiologist view [20’]
C. Gandolfo (Palermo)

Perioperative complications - anesthesiologist view [20’]
F. Cavaliere (Roma)

Percutaneous MV intervention risk stratification - cardiologist view [20’]
F. Saia (Bologna)

Perioperative complications - anesthesiologist view [20’]
P. E. Mocavero (Napoli)

16.45 - 18.00 SALA ARAGONESI 2 Focus 3

The nutritional and metabolic aspects of critical care patients

Chairmen: R. Tetamo (Palermo), A. David (Messina)

Metabolic characteristics and demand in the ICU patients [20’]
D. Radizzani (Leganano)

Importance of proteic substrate for the critically ill patient [20’]
R. Tetamo (Palermo)

Omega-3 fatty acid: pharmaco-nutritional aspects [20’]
M. Zanello (Bologna)
Thursday 6th April

Adding parenteral glutamine: scientific evidence and clinical rationale (20’)
M. Rossi (Roma)

16.45 - 18.00  SALA NORMANNI  Focus 4

VV ECMO and other extracorporeal lung support

Chairmen: A. Arcadipane (Palermo), S. Pintaudi (Catania)

ARDS: Beyond mechanical ventilation the role of ECMO (20’)
G. Panarello (Palermo)

The role of NIV in low to moderate ARDS (20’)
D. Pasero (Torino)

Low flow system in the clinical praxis (20’)
S. Grasso (Bari)

Coagulation management during VV ECMO, the role of viscoelastic tests (20’)
M. Panigada (Milano)

18.00 - 18.30  SALA NORMANNI

Magistral lecture

Personalized precision cardiovascular care
M. Pinsky (Pittsburgh, USA)

18.30  Welcome cocktail

Friday 7th April

DAY 2
Friday 7th April

09.00 - 11.00  SALA ARAGONESI 1

Consensus on Cardiac Surgery: the patient with Left Heart Failure
Chairmen: L. Lorini (Bergamo), S. Nicosia (Catania)

Advances in Pharmacologic Management of Acute Left Heart Failure  (20’)
M. Senni (Bergamo)

Mechanical Circulatory Support for Advanced Left Heart Failure: What’s On the Horizon?  (20’)
M. Pilato (Palermo)

Perioperative Management and Outcomes of Patients With HOCM  (20’)
A. Iacovoni (Bergamo)

Anything News In the Management of Diastolic Function  (20’)
F. Sangalli (Monza)

Optimizing organ perfusion pressure targets  (20’)
M. Pinsky (Pittsburgh, USA)

11.00 - 11.30  Coffee break

09.00 - 11.00  SALA NORMANNI

Consensus on Vascular surgery: the patient with type B aortic dissection
Joint session with SICVE
Chairmen: A. Locatelli (Cuneo), P. Veroux (Catania)

Conservative management of type B Aortic dissection: cardiologist view  (20’)
G. Di Gesaro (Palermo)

Thoraco-abdominal aneurysm: up to date  (20’)
F. Talarico (Palermo)

Anesthesiological issues: management of hypo-perfusion syndrome  (20’)
I. Blangetti (Cuneo)

The role of TEE in the surgical decision-making  (20’)
A. Locatelli (Cuneo)

11.00 - 11.30  Coffee break

Friday 7th April

Post-operative management  (20’)
M. Baiocchi (Bologna)

Discussion

11.00 - 11.30  Coffee break

09.00 - 11.00  SALA ARAGONESI 2

Consensus on Thoracic surgery
Joint session with VATS Group
Chairmen: F. Piccioni (Milano), A. Droghetti (Mantova)

Hemodynamic monitoring during thoracic surgery: what should I use?  (20’)
C. Coccia (Roma)

One-lung ventilation: PEEP and recruitment maneuvers  (20’)
F. Piccioni (Milano)

Anesthesiological management of tracheal surgery  (20’)
D. Massullo (Roma)

ERAS in thoracic surgery: anesthesiological protocols  (20’)
M. Umari (Trieste)

ERAS in thoracic surgery: surgical protocol  (20’)
A. Bertani (Palermo)

11.00 - 11.30  Coffee break

NURSE SESSIONS

08.30 - 13.00  SALA MELOGRANO

Registration
Chairmen: F. Gargano (Palermo), S. Giammona (Palermo), F. La Spesa (Palermo)

Introduction to the Nursing Session and presentation  (10’)
F. Marchese (Palermo)

Nurse management of the patient with IABP  (40’)
P. Iozzo (Palermo)
Friday 7th April

**Nurse management of the ARDS patient**  [40’]
A. Lucchini (Monza)

**Nurse management of the patient supported with ECMO**  [40’]
S. Elli (Monza)

**Nurse management of the patient with VAD support**  [40’]
M. Bellomo (Palermo)

**Renal replacement and de-toxification of the critically ill patient**  [40’]
A. Lucchini (Monza)

**Nursing responsibilities in the case of specialised expertise**  [40’]
G. Simonelli (IPASVi - Palermo)

**Final CME test**

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**MEDTASS**

11.30 - 13.00 **SALA NORMANNI**

**What is changed in the perioperative management of the transplant recipient**

**Chairmen:** R. Planinsic (Pittsburgh, USA), M. Pilato (Palermo)

**The heart recipient on LVAD**  [20’]
J. Quinlan (USA)

**The lung recipient on ECMO is a feasible option?**  [20’]
E. Spinelli (Milano)

**Ultra fast track in liver transplant: how to save resource and maybe improve outcome**  [20’]
G. Biancofiore (Pisa)

**The Economics of organ transplant**  [20’]
M. Hudson (USA)

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Friday 7th April

13.15 - 14.15 **SALA NORMANNI**

**How to do it: it is easy as lunching**

**Volumetric monitoring in cardiac surgery from double indicator to radial catheter**  [30’]
R. Ceriani (Milano)

**Seriously ill postoperative hypoxemia in cardiac surgery: ELWi e PVPI**  [30’]
S. Giordano (Caserta)

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14.00 - 18.00 **SALA MELOGRANO**

**Perfusionist Session**

**Introduction:** L. Tritapepe (Roma)

**Chairmen:** D. Ghitti (Bergamo), G. Di Lorenzo (Palermo), F. Rossi (Milano)

**Decoagulation monitoring and background**  [30’]
G. Pinto (Caserta)

**Point-of-care coagulation systems and equipment**  [30’]
M. Cotza (S. Donato Milanese)

**Point-of-care coagulation: a modern organisational model for cardiocirculatory physiopathology and cardiovascular perfusion services**  [30’]
F. Ippoliti (Roma)

**Point of care station - Workshop**
G. Pinto (Caserta), M. Cotza (S. Donato Milanese), F. Ippoliti (Roma)

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**WORKSHOP**

14.30 - 16.15 **SALA NORMANNI**  Workshop 5

**Perioperative hemodynamic management of the high-risk patient**

**Chairmen:** A. Locatelli (Cuneo), A. Giarratano (Palermo)

**Hemodynamic monitoring: selection criteria**  [20’]
A. Locatelli (Cuneo)

**Hemodynamic monitoring: which targets?**  [20’]
L. Tritapepe (Roma)
Friday 7th April

Moving the hemodynamic monitoringo the operating room: the SMACK project [20']
N. Brienzo (Bari)

Hemodynamic protocols in vascular surgery [20']
R. De Rosa (Napoli)

The VASCO study: where are we now [15']
I. Blangetti (Cuneo)
16.15 - 16.30 Coffee break

14.30 - 16.15 Workshops 6

Up to date on Fluid management in the third millennium

Chairmen: L. Lorini (Bergamo), R. Tetamo (Palermo)

Volume therapy and fluid therapy: personalized approach [20']
G. Biancofiore (Pisa)

Coagulation and renal function: the impact of hydroxyethyl starches
A. De Gasperi (Milano)

Hydroxyethyl starches in vascular and cardiac surgery: is there a rationale? [20']
L. F. Mantovani (Bergamo)

Volemic replacement criteria in patients with respiratory failure [20']
R. Fumagalli (Milano)

Discussion
16.15 - 16.30 Coffee break

14.30 - 16.15 Teaching and Update Session

Extracorporeal support in acute and in chronic liver failure [20']
S. Faenza (Bologna)

Friday 7th April

Endotoxemia and the role of Polimixn B Hemoperfusion in Solid Organ Transplants
F. Pugliese (Roma)

A new methodology for patient deterioration management: implementation of a predictive, EWS-based algorithm [20']
L. Pirola (Milano)

Anaesthesiological problems during PTE [20']
R. Veronesi (Pavia)

Problem Based Learning Discussion [60']
D. Metro (USA)
16.15 - 16.30 Coffee break

FOCUS

16.30 - 18.00 Workshops 5

The golden standard in Coagulation management of the cardiovascular patient

Chairmen: K. Tanaka (USA), D. Haxhiademi (Massa Carrara)

The use of single factors in coagulopathy after cardiopulmonary bypass [30']
K. Tanaka (USA)

Coagulation management in emergency cardiovascular surgery [20']
J. Dias (CH)

Role of platelet function test in the clinical practice [20']
E. Cerchierini (Bergamo)

New Oral Anticoagulants and cardiac surgery: what should we do? [20']
K. Goerlinger (Munich, Germany)
Saturday 8th April

09.00 - 11.00  **SALA ARAGONESI 1**

**Sub-com cardiac anaesthesia: Low Output Syndrome**

Chairmen: L. Lorini (Bergamo), A. Arcadipane (Palermo)

*Does the non-fit for surgery still exists?* (20')
S. Cattaneo (Bergamo)

*Pharmacological support of the low-cardiac output syndrome* (20')
F. Sanfilippo (Palermo)

*Temporary mechanical support* (20')
G. Raffa (Palermo)

*Destination therapy* (20')
Milazzo F. (Milano)

*Heart transplant: up-to-date* (20')
F. Clemenza (Palermo)

11.00 - 11.30  **Brunch**

09.00 - 11.00  **SALA ARAGONESI 2**

**Sub-com vascular anesthesia: carotid surgery**

Chairmen: I. Blangetti (Cuneo), M.C. Monea (Catania), F. Peinetti (Aosta)

*Different patients, different risks* (15')
G. Ticozzelli (Pavia)

*Carotid endoarterectomy: what the surgeon needs?* (15')
F. Peinetti (Aosta)

*Neuromonitoring during Carotid endoarterectomy: up-to-date* (20')
A. Bacuzzi (Varese)

*Different experience: Carotid endoarterectomy in general anesthesia* (15')
E. Vaccarisi (Catania)

*Carotid endoarterectomy in loco-regional anesthesia* (15')
A. Noto (Messina)
Saturday 8th April

Carotid endarterectomy in COPAGEA (15’)
A. Casini (Careggi)

HOT TOPIC: Carotid or heart surgery first: the correct timing
Surgical view (15’)
V. Argano (Palermo)

Anesthesiological perspectives (15’)
G. Paternoster (Potenza)

11.00 – 11.30 Brunch

09.00 - 11.00 SALA MELOGRANO

Sub-com thoracic anesthesia

Chairmen: F. Piccioni (Milano), D. Massullo (Roma)

Duoble lumen tubes and endobronchial blockers: an update (20’)
M. Rispoli (Napoli)

Difficult intubation in thoracic anesthesia (20’)
D. Massullo (Roma)

From the OR to the ICU (20’)
M. Nespoli (Napoli)

Monitoring of shunt during one-lung ventilation (20’)
R. Ragazzi (Ferrara)

US-guided thoracic paravertebral block (20’)
D. Santonastaso (Cesena)

11.00 – 11.30 Brunch

09.00 - 11.00 SALA NORMANNI

Sub-com cardiac anaesthesia: paediatric cardiac anesthesia and congenital heart disease

Chairmen: M. Astuto (Catania), A. Rizza (Roma), G. Isgrò (Milano)

Surgery in the adult with CHD: options and limits (15’)
A. Varrica (Milano)
**CONFERENCE VENUE**
Astoria Palace Hotel
www.ghshotels.it/astoria
Via Monte Pellegrino, 62 - Palermo

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**WHO THE CONFERENCE IS INTENDED FOR:**
The conference is intended for anaesthetists, heart surgeons, perfusionists, Intensive Care nurses and transplant surgeons.

**REGISTRATION FEE**
€ 280 + VAT (€ 341.60)
SIAARTI MEMBERS: € 130 + VAT (€ 158.60)
PERFUSIONISTS AND NURSES: € 50 + VAT (€ 61)
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Should you wish to cancel your registration, please notify the administrative office in writing no later than 14th March 2017, whereby 70% of the registration fee will be charged as a penalty and 30% will be refunded.

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Those registering for the course who attend all scientific sessions and fill out the final assessment questionnaire will be awarded training credits as certified by the Italian National Commission for Continuing Medical Education. In order to receive CME credits, you must provide all your details. Incomplete or illegible forms will be automatically rejected and no credits will be awarded. Training credits will start being distributed three months after the end of the conference.

Training credits: 5,4

- Coffee break
- Conference kit
- Certificate of attendance
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