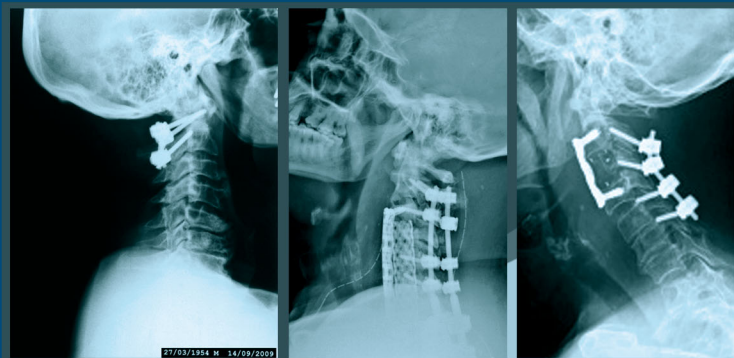


COURSE DIRECTOR  
**Giuseppe Barbagallo**  
Catania, Italy

HONORARY COURSE DIRECTOR  
**Vincenzo Albanese**  
Catania, Italy

HONORED GUEST  
**K. Daniel Riew**  
New York, USA



**OFFICIAL  
LANGUAGE  
ENGLISH**

**EDUCATIONAL  
METHODS**

Interactive theoretical  
and demo sessions

+10 hours of practical training  
step by step on wet lab

# Advanced Techniques in Cervical Spine Decompression & Stabilization

## HANDS-ON CADAVER COURSE


Center of Biotechnologies of Cardarelli Hospital  
Naples, September 20<sup>th</sup>-22<sup>nd</sup>, 2017



Vesuvio



Etna

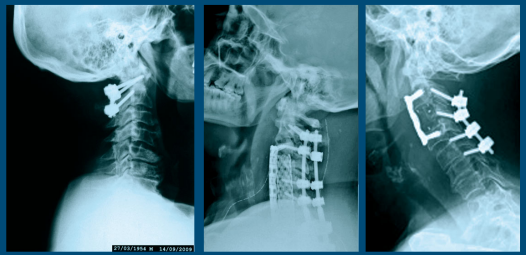
agora.it  **E.C.M.**  
Commissione Nazionale Formazione Continua

21,7 Italian CME credit assigned for Surgery disciplines:  
Neurosurgery, Orthopaedics and Traumatology

Course reserved up to 14 attendees  
and 7 observers

# Advanced Techniques in Cervical Spine Decompression & Stabilization

## HANDS-ON CADAVER COURSE



Center of Biotechnologies  
of Cardarelli Hospital  
Naples, September 20<sup>th</sup>-22<sup>nd</sup>, 2017

**Course Director**  
**Giuseppe Barbagallo, MD**  
Associate Professor of Neurosurgery  
Chairman, Neurosurgical Department  
Policlinico "G. Rodolico" University Hospital  
University of Catania, Italy

**Honorary Course Director**  
**Vincenzo Albanese, MD**  
University of Catania, Italy

**Honored Guest**  
**K. Daniel Riew, MD**  
Professor, Department of Orthopaedic Surgery  
Columbia University Medical Center  
Columbia Orthopaedics – Spine Surgery  
New York Presbyterian/The Allen Hospital  
New York, NY

### FACULTY

**Massimo Balsano, MD**  
Director Regional Spinal Department  
ULSS 7 Pedemontana  
Santorso Hospital  
Vicenza, Italy

**Alessandro Ducati, MD**  
Professor and Chief  
Department of Neurosurgery  
University of Turin, Italy

**John M. Duff, MD FACS**  
Department of Clinical Neurosciences  
CHUV  
Lausanne, Switzerland

**Dmitry Dzukaev, MD**  
Chief of Spine Center  
Moscow, Russia

**Marco M. Fontanella, MD**  
Full Professor and Chairman  
Division of Neurosurgery  
University of Brescia, Italy

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**Scientific Secretariat**  
**Francesco Certo MD**  
**Giuseppe Raudino, MD**  
**Gaspere Francesco Montemagno, MD**  
Policlinico "G. Rodolico" University Hospital  
University of Catania, Italy

**Antonino Germanò, MD**  
Chief of Neurosurgery  
Department of Neuroscience  
AOU Policlinico G. Martino  
University of Messina, Italy

**Antonino Raco, MD, PhD**  
Professor of Neurosurgery  
N.E.S.M.Q.S. Department  
Faculty of Medicine and Psychology  
"Sapienza" University of Rome  
Chief of Neurosurgery  
Ospedale S. Andrea, Rome, Italy

**John O'Toole, MD, MS**  
Professor of Neurosurgery  
Rush University Medical Center  
Chicago, IL

**Massimiliano Visocchi, MD, PhD**  
Consultant Professor  
Institute of Neurosurgery  
Catholic University of Rome, Italy

Registration form and more details on [www.mymeetingsrl.com](http://www.mymeetingsrl.com)

## Course Venue

Center of Biotechnologies – Pavillon X  
A.O.R.N. "Antonio Cardarelli"  
Via A. Cardarelli, 9 – 80131 Naples, Italy  
<http://www.centrodiubiologie.org>

## Educational goals

To provide participants with the latest scientific information on indications, techniques and complications related to different surgical approaches to craniocervical junction and cervical spine. With only two surgeons per station, *hands-on* cadaver sessions will focus on the intricate anatomy of cervical pedicles, uncinata process, nerve roots, vertebral artery, foramina and their relationships. Participants will have the opportunity to perform anterior and posterior approaches, to learn microsurgical tips and tricks and techniques for devices implantation. The latest technology including microscopes, high-speed drills and neuronavigation for CT-scanned specimens will be available.

## Target Audience

Neurosurgeons, Orthopaedic surgeons, Residents and Fellows

## CME Accreditation

(only for Italian Participants)



Il Provider My Meeting n. 1396 ha assegnato **n. 19,60 crediti ECM** per la categoria **MEDICO CHIRURGO**, discipline:

- Ortopedia e Traumatologia
- Neurochirurgia

**L'accreditamento sarà effettuato per l'intero evento in un'unica soluzione per un massimo di 25 partecipanti.**

I crediti formativi saranno certificati dal Provider My Meeting N. 1396 secondo le Normative della CNFC pubblicate sul sito [www.agenas.it](http://www.agenas.it) L'attestato conferente i crediti formativi assegnati all'evento, sarà inviato all'indirizzo privato con posta PEC soltanto ai partecipanti che avranno frequentato l'intero percorso formativo (90% del monte ore) e riconsegnato le schede di valutazione e il test di apprendimento debitamente compilati con il raggiungimento del 75% delle risposte esatte.

## Attendance Certificate

At the end of the Meeting an attendance certificate will be given to all registered participants.

## Variations

The Scientific and the Organizing Secretariats reserve the right to make any change to the program they deem necessary for scientific and/or technical reasons.

## Obiettivo Formativo Tecnico-professionale N. 18

**Contenuti tecnico professionali (conoscenze e competenze) specifici di ciascuna professione, di ciascuna specializzazione e di ciascuna attività ultraspecialistica.**

### Malattie rare

Fornire ai partecipanti le più recenti evidenze scientifiche in merito alle indicazioni, alle tecniche e alle complicanze, correlate ai differenti approcci chirurgici alla giunzione cranio-vertebrale e alla colonna cervicale. Le sessioni teoriche-pratiche su cadavere *hands-on*, con due partecipanti per ciascuna postazione, saranno incentrate sull'acquisizione di competenze relativamente all'anatomia chirurgica della colonna vertebrale cervicale e, in particolare, dei peduncoli cervicali, dei processi uncinati, delle radici nervose e dell'arteria vertebrale, dei forami di coniugazione e dei rispettivi rapporti anatomici. I partecipanti saranno seguiti nelle esercitazioni pratiche di dissezione *step-by-step* per i diversi approcci chirurgici anteriori e posteriori al rachide cervicale e alla giunzione cranio-vertebrale. Saranno inoltre eseguite esercitazioni pratiche che prevedono l'impianto di diversi sistemi di artrodesi e osteosintesi anteriore e posteriore. Le postazioni di dissezione sono dotate delle più recenti tecnologie intraoperatorie: microscopio, microtrapani ad alta velocità e neuronavigazione.

## Registration

**The course has a limited enrolment;** registration will be handled accordingly with the first-come, first served system. The Organizing Secretariat will take care to inform the acceptance or less of the participation. To subscribe to this Course is necessary to fill the **Registration Form** available on the dedicated website and send it together with payment to the Organizing Secretariat My Meeting (Fax +39 051/795270 - e-mail: [info@mymeetingsrl.com](mailto:info@mymeetingsrl.com)).

The registration will be confirmed by e-mail with a voucher. **No registration will be processed unless accompanied payment.**

A receipt of payment for the total amount will be issued directly by My Meeting Srl.

## Registration fees (VAT included)

**Attendee € 1.500,00**

**Fee includes:** educational material (single use material and surgical kit), 1 anatomical specimen (cephalus c/neck) every 2 participants, Italian CME credit, attendance certificate, insurance, catering services, welcome dinner in a typical restaurant, transfer services from/to hotel/course venue by Metrò.

**Observer € 500,00** Access to the wet lab is permitted but only to observe

**Fee includes:** attendance certificate, insurance, catering services, welcome dinner in a typical restaurant, transfer services from/to hotel/course venue by Metrò.

## Advanced Techniques in Cervical Spine Decompression & Stabilization

<b>12:45 pm</b>	<b>Registration and Welcome snack</b>	
1:30 pm	Welcome and introduction	<b>G. Barbagallo</b>
1:40 pm	Anterior cervical approach to C1-C3 & C7-T2	<b>A. Raco</b>
1:55 pm	C3-C7 Anterior cervical fixation: zero-profile cages, different plate types, tips and pearls	<b>A. Ducati</b>
2:10 pm	Arthroplasty: indications vs. fusion, update on scientific evidence and different prostheses	<b>K.D. Riew</b>
2:25 pm	Somatectomy: indications, surgical technique and different vertebral body replacement devices	<b>J. O'Toole</b>
<b>2:40 pm</b>	<b>Questions and Answers</b>	
3:00 pm	Transoral resection of dens: still an option? Update on evidence and surgical technique	<b>M.Visocchi</b>
3:15 pm	Lateral mass screw fixation and laminoplasty: Indications and evidence, surgical technique, tips and pearls	<b>M. Balsano</b>
3:30 pm	Bone graft options: autograft, allograft (corticocancellous, cortical, fresh frozen, freeze dried), cages, bone marrow, aspirate	<b>M. Balsano</b>
<b>3:45 pm</b>	<b>Coffee time &amp; meet the sponsor</b>	
4:15 pm	Dural tear, esophageal perforation and C5 palsy: how I prevent and treat	<b>M. Fontanella</b>
4:30 pm	Dysphagia and dysphonia, post operative hematoma and emergency airway management	<b>A. Germanò</b>
4:45 pm	Vertebral artery injuries: how to prevent, expose and treat	<b>J. O'Toole</b>
<b>5:00 pm</b>	<b>Questions and Answers</b>	
5:20 pm	Image-guided anterior and posterior cervical spine surgery	<b>J.M. Duff</b>
5:35 pm	Cervical sagittal balance: current concepts and implications in surgical decision making	<b>K.D. Riew</b>
<b>5:50 pm</b>	<b>Questions and Answers</b>	
6:10 pm	Adjourn	
<b>8:00 pm</b>	<b>Welcome dinner with Faculty</b>	

## Hands-on cadaver course

Thursday | September 21<sup>st</sup>, 2017

8:50 am	Preoperative planning for C7 -T2 anterior approach. When it is necessary to perform manubriotomy	D. Dzukaev
9:10 am	<b>Hands-on Lab: Dissection, Anterior Surgical Approach</b> Foraminotomy, uncinete resection, exposure of the vertebral artery, dissection of hypoglossal, glossopharyngeal, recurrent laryngeal, superior laryngeal nerves, digastric muscle	All Faculty
11:00 am	<b>Questions and Answers</b>	
11:15 am	<b>Coffee time &amp; meet the sponsor</b>	
11:45 am	<b>Hands-on Lab: Dissection, Anterior Surgical Approach</b> ACDF, somatectomy and reconstruction with expandable cages/mesh and plates (ACCF)	All Faculty
1:00 pm	<b>Lunch time &amp; meet the sponsor</b>	
1:45 pm	<b>Hands-on Lab: Dissection, Anterior Surgical Approach (...continued)</b> ACDF, somatectomy and reconstruction with expandable cages/mesh and plates (ACCF)	All Faculty
3:00 pm	<b>Coffee time (outside O.R.)</b>	
3:15 pm	<b>Hands-on Lab: Anterior Procedures</b> Transoral resection, anterior C1-C2 fixation	All Faculty
4:30 pm	Adjourn	

Friday | September 22<sup>nd</sup>, 2017

8:50 am	C1-C2 Posterior fixation: indications, surgical techniques, tips and pearls	G. Barbagallo
9:10 am	<b>Hands-on Lab: Posterior Procedures</b> Posterior C1-C2 fixation	All Faculty
11:00 am	<b>Coffee time &amp; meet the sponsor</b>	
11:25 am	<b>Hands-on Lab: Posterior Procedures</b> C3-C7 lateral mass and pedicle screws, laminoplasty and foraminotomy. Image guidance	All Faculty
12:40 pm	<b>Lunch time &amp; meet the sponsor</b>	
1:25 pm	<b>Hands-on Lab: Posterior Procedures (...continued)</b> C3-C7 lateral mass and pedicle screws, laminoplasty and foraminotomy. Image guidance	All Faculty
3:25 pm	CME evaluations (only for Italian participants) and closure	

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Update to 02-08-2017



**Organizing Secretariat  
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