PRESENTATION

The course's objective is to increase the microsurgical skills of Residents and teach them the basics of using a high-speed drill. Practical exercises will be held on non-biological and biological non-living plant and animal materials. The ultimate goal is to introduce the Residents to practical and reproducible exercise methods on basic techniques in Neurosurgery.

Detailed plan:
- basic techniques in the use of the high-speed drill. Operation, orientation and ergonomics of the high-speed drill movement. Drilling on biological material.
- basic techniques in the use of the microscope. Magnification, focus, orientation and ergonomics of surgical movement. Mobilization of objects in different orientations. Microsurgical sutures in open and restricted surgicifield, principles of microsurgical dissection.

During the practical exercises, the Residents will be divided on different positions:
- position 1 (drill-burr holes):
  High speed drill, cutters, drill, animal skulls
- station 2 (drilling-diamond tip):
  High speed drill, cutters, egg shells
- station 3 (drilling-aggressive tip):
  High speed drill, cutters, animal bones
- station 4 (craniotomy):
  High-speed drill, craniotomy, animal bones
- station 5 (microscopic suture):
  Microscope, wires, microsurgical instruments
- position 6 (suture with loupes):
  Loupes, wires, microsurgical instruments
- station 7 (microdissection):
  Loupes, wires, microsurgical instruments
- station 8 (deep-field suture):
  Microsurgical instruments
- position 9 (restricted area suture):
  Microsurgical instruments
- position 10 (dexterity challenge):
  Microsurgical instruments

PROGRAM

Registration of participants
Course Presentation (15 min)
Dr. Paolo Gaetani
Director FF S.C. Neurosurgery
Fondazione IRCCS Policlinico San Matteo

Theoretical lesson: microsurgical sutures and introduction to exercises (30 min)
Dr. Daniele Bongetta

Theoretical lesson:
Dr. Cesare Zoia
Practical session (1 hour and 30 minutes)
Coffee break
Practical session (1 hour and 30 minutes)
Final considerations
Dr. Daniele Bongetta, Dr. Cesare Zoia

General information
1st edition: Friday, November 24, 2017 from 14.00 to 19.15
2nd edition: Saturday, November 25, 2017 from 08.00 to 13.15

Memorandum and Membership Modes
The event is intended to:
Residents and specialists in Neurosurgery.
The conference is open to 10 participants per edition.
Registration fee: 25,00 euro VAT included,
EANS members: 20,00 euro VAT included.
The fee includes: consumables, Insurance, coffee break.

All participants in the work are required to sign up through the “on line” form on the website:
www.bquadro-congressi.it

Course Organizers
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Special thanks to: