



SCIENTIFIC DIALOG

FUNDAMENTAL MICRONEUROSURGERY TECHNIQUES - HANDS-ON COURSE

February 11-13, 2020
Kuopio | Finland

Endorsed by:

COURSE INFORMATION

COURSE DESCRIPTION

Intensive course for improving microneurosurgical skills and personal microergonomics. Practical hands-on training is provided predominantly in pairs or one-on-one by experts utilizing cadavers, 3D-printed models and synthetic training exercises.

COURSE ORGANIZER

Aesculap Academy

COURSE VENUE

Eastern Finland Microsurgery Center
KUH Kuopio University Hospital
Puijo Hospital
2nd floor, G-corridor
70029 Kuopio
Finland

TARGET GROUP

The course is open for all interested neurosurgeons. Especially beneficial for residents PGY 2-5.

NUMBER OF PARTICIPANTS

Twelve (12) participants can be accommodated on the course.

PARTICIPATION FEE

■ 450 EUR net plus VAT 24 % / person

The fee includes full course program, lunch (Wed), coffee breaks and course dinner on Wednesday.

An invoice will be sent to you after registration. Please transfer the participation fee after receipt of the invoice to the following account:

Nordea Bank Finland
Address: Liesitori 1, 00020 Nordea

IBAN	FI14 1583 3000 0438 25
BIC/SWIFT	NDEAFIHH
Account holder	B. Braun Medical Oy

Please make sure all wire charges are paid. Your participation will be confirmed only after receiving full payment.

We do not accept cash or credit card payments.

LUNCH AND COURSE DINNER

Fruits and refreshments are available at coffee breaks. On Wednesday lunch is served at restaurant Kaarre.

The course dinner takes place on Wednesday, February 12, 2020. Additional fees apply for non-participants.

FACULTY

FACULTY CHAIRMAN

Assoc. Prof. Timo Koivisto
Kuopio University Hospital

FACULTY MANAGER

Dr. Antti-Pekka Elomaa
Kuopio University Hospital

FACULTY ADV. BOARD

Prof. Mika Niemelä
Helsinki University Hospital

Prof. Jaakko Rinne
Turku University Hospital

Prof. Juha E. Jääskeläinen
Kuopio University Hospital

Prof. Ville Leinonen
Oulu University Hospital

COURSE FACULTY

Prof. Juhana Frösen
Tampere University Hospital

MUDr. Jiří Fiedler Ph.D, MBA
Hospital Ceske Budjoviche / EANS

Assoc. Prof. Martin Lehecka
Helsinki University Hospital / EANS

Dr. Olli-Pekka Kämäräinen
SNKY

COURSE TRAINERS

Prof. Juhana Frösen
Tampere University Hospital

MUDr. Jiří Fiedler Ph.D, MBA
Hospital Ceske Budjoviche / EANS

Assoc. Prof. Martin Lehecka
Helsinki University Hospital / EANS

Dr. Ahmad Hafez
Helsinki University Hospital

Dr. Antti Huotarinen
Kuopio University Hospital

Dr. Ahmed Hussein
Kuopio University Hospital

Dr. Antti-Pekka Elomaa
Kuopio University Hospital

PROGRAM

TUESDAY 11.2.2020 (DAY 1)

15:30 Registration
16:00 Opening words (Dr. Koivisto)
16:15 Lecture (TBA)
| Orientation to practical unsupervised training
16:30 Lecture (Dr. Hafez)
| Training bypass surgery in the lab
16:45 Hands-on workshop
/ Basic microsurgical exercises
18:15 Coffee break
18:30 Demonstration (TBA)
| Cadaveric orientation to intracranial approaches
19:00 Hands-on workshop
/ Microsurgical Triathlon speed competition
20:00 End of day 1

WEDNESDAY 12.2.2020 (DAY 2)

Participants are divided into groups of four (4).
Participants are matched with similar training level.
Groups rotate in three (3) basic workshops
(please see section "Workshops").

08:00 Start of the day
08:15 Lecture (Dr. Lehecka)
| STA-MCA bypass
08:30 Rotation 1
/ Basic workshop & feedback
11:30 Lunch
12:30 Rotation 2
/ Basic workshop & feedback
14:45 Coffee break
15:30 Rotation 3
/ Basic workshop & feedback
18:30 End of day 2

19:30 Course dinner

THURSDAY 13.2.2020 (DAY 3)

Participants are divided into groups of six (6).
Groups rotate in two (2) advanced workshops
(please see section "Workshops").

08:00 Start of the day
08:15 Lecture (Dr. Fiedler)
| Microneurosurgical dissection techniques
08:30 Rotation 1
/ Advanced workshop & feedback
10:00 Coffee break
10:15 Rotation 2 & 3
/ Advanced workshop & feedback
13:45 Closing words, Q&A, Certificates
14:15 Course ends



WORKSHOPS

DAY 1 / HANDS-ON WORKSHOP, 2 HOURS

Basic microsurgical exercises

Trainers: all faculty

Trainees: 12 participants; 1 per microscope OR loupe

Hands-on orientation to surgical microscopes and micro-instruments used on the course by practicing basic exercises with various flat-surface models (around-the-clock, silicone tubes, up-and-down, grape peeling).

DAY 1 / DEMONSTRATION, 90 MINUTES

Cadaveric orientation to intracranial approaches

Trainers: Dr. Ahmed Hussein and Dr. Antti Huotarinen

Orientation to cadaveric session on day 2. Selected cranial approaches and microsurgical anatomy are presented and discussed. High quality streaming is utilized for immersive and detailed perception of the cadavers and microergonomics.

DAY 2 / ROTATION 1 (BASIC), 3 HOURS

Microsurgical cranial approaches with cadavers

Trainers: Dr. Martin Lehecka and Dr. Jiří Fiedler

Trainees: 4 participants; 2 participants & 1 trainer per cadaver

Practice spatially confined microsurgical techniques with selected cranial approaches*.

*LSO, Pterional, Supracellar, Retrosigmoid, Suboccipital, Interhemispheric, Suboccipital and tailored options for advanced participants.

DAY 2 / ROTATION 2 (BASIC), 3X1 HOUR

Personalized microergonomics

Trainers: Dr. Juhana Frösen, Dr. Ahmad Hafez and Dr. Antti Huotarinen

Trainees: 4 participants

Improve planning of microsurgical operations in VR and gain in-depth insight to personal microergonomics and stress-resilience.

- 1) Virtual reality planning of microsurgical operations / 2 participants
- 2) One-on-one tutoring on microsurgical ergonomics / 1 participant
- 3) Microergonomic stress-tests with biomonitoring / 1 participant

DAY 2 / ROTATION 3 (BASIC), 2X1,5 HOURS

Microdissection and unsupervised microsurgical exercises

Trainers: Dr. Ahmed Hussein and Dr. Antti-Pekka Elomaa

Trainees: 4 participants; 1 placenta per participant

Exercise microsurgical ergonomics with both flat and deep microsurgical exercises.

- 1) Supervised microdissection with placentas / 2 participants
- 2) Unsupervised microsurgical basic exercises / 2 participants

DAY 3 / ROTATION 1 (ADVANCED)

Advanced intracranial approaches

Trainers: Dr. Martin Lehecka and Dr. Jiří Fiedler

Trainees: 6 participants; 3 participants and 1 trainer per cadaver.

Practice advanced microsurgical techniques with selected cranial approaches*.

*LSO, Pterional, Supracellar, Retrosigmoid, Suboccipital, Interhemispheric, Suboccipital and tailored options for advanced participants.

DAY 3 / ROTATION 2 & 3 (ADVANCED)

Continue workshops 2 & 3

Trainers: Dr. Martin Lehecka and Dr. Jiří Fiedler

Trainees: 6 participants; 3 participants and 1 trainer per cadaver; 1 placenta per trainee

Advance on the 2nd day agenda. Participants missing the personal ergonomic tutoring or stress-resilience testing will be prioritized for those parts.

- 1) One-on-one tutoring on microsurgical ergonomics / 1 participant
- 2) One-on-one tutoring on microsurgical ergonomics / 1 participant
- 3) Microergonomic stress-tests with biomonitoring / 1 participant
- 4) Advanced unsupervised microsurgical exercises / 3 participants

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TERMS AND CONDITIONS

CANCELLATION BY THE DELEGATE

If a participant cancels his/her registration 4 weeks or more prior to the beginning of the event, the participation fee will be reimbursed in full. After this time and up to 14 days before the course begins, we will charge a handling fee of 50 % of the course fee.

For cancellations made between 14 and 7 days before the course, we reserve the right to charge full participation fee. The full participation fee will be payable for cancellation after this period or for non-attendance.

CANCELLATION OF THE EVENT

We reserve the right to cancel/reschedule the event, at any time. Cancellation notices will be sent to the email address given on the registration form and receipt will be assumed unless evidence of non-delivery is received. A full refund of event registration fees (only) will be made to participants who are unable to attend on the rescheduled date.

Aesculap Academy will not accept liability for any other loss, damage, costs or expenses incurred by the Delegate as a result of the cancellation/rescheduling of the event, including without limitation: professional fees or other earnings and costs.

COURSE CONTENT

We reserve the right to change the course content, the venue or location and/or the faculty at any time. However, we make every effort to ensure that all events run as advertised.

DATA PROTECTION

The submission of personal or business data (e-mail addresses, names, addresses) is done on an explicitly voluntary basis. This data will not be transmitted to any third party unless you indicate that this is your wish. With your registration you confirm to your personal information being recorded for the purpose of event administration and to receive information on future events from Aesculap Academy.

If you wish to be removed from our database please send an email to:

academy.fi@bbraun.com.

COURSE REGISTRATION

COURSE ORGANIZATION AND REGISTRATION

Aesculap Academy / B. Braun Medical Oy
Ms. Mia Pentinmikko

Huopalahdentie 24
00350 Helsinki
FINLAND

Tel. +358 40 162 7579
mia.pentinmikko@bbraun.com

www.aesculap-academy.fi

www.aesculap-academy.fi

Please register online at:

<https://my.surveypal.com/Fundamental-Microneurosurgery-Techniques-2020>



Deadline for course registration is January 10, 2020.

ACCOMMODATION

Accommodation is not included in the course fee. Participants are advised to book their own accommodation.

There are several options in Kuopio:

Hotel Scandic Kuopio
<https://www.scandichotels.com/>

Lapland Hotels Kuopio
<https://www.laplandhotels.com>

Sokos Hotel Puijonsarvi
<https://www.sokoshotels.fi>

The Aesculap Academy is one of the leading medical forums for everyone who is professionally, passionately and ambitiously committed to people's health. To those medical professionals we offer top quality knowledge transfer based on globally recognized quality criteria using innovative methods and technologies.

DIALOG – DEDICATED TO LIFE.

The Aesculap Academy has its roots in the company B. Braun, which has been protecting and improving people's health for more than 175 years. With our courses, hands-on trainings and symposia we help to honor our parent company's promise of SHARING EXPERTISE.

The courses at the Aesculap Academy offer participants who want to continue to learn in an inspiring environment knowledge transfer and teaching that are adapted to real life: lifelong learning, true-to-life training situations and realistic content for a better life for patients and medical staff.

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