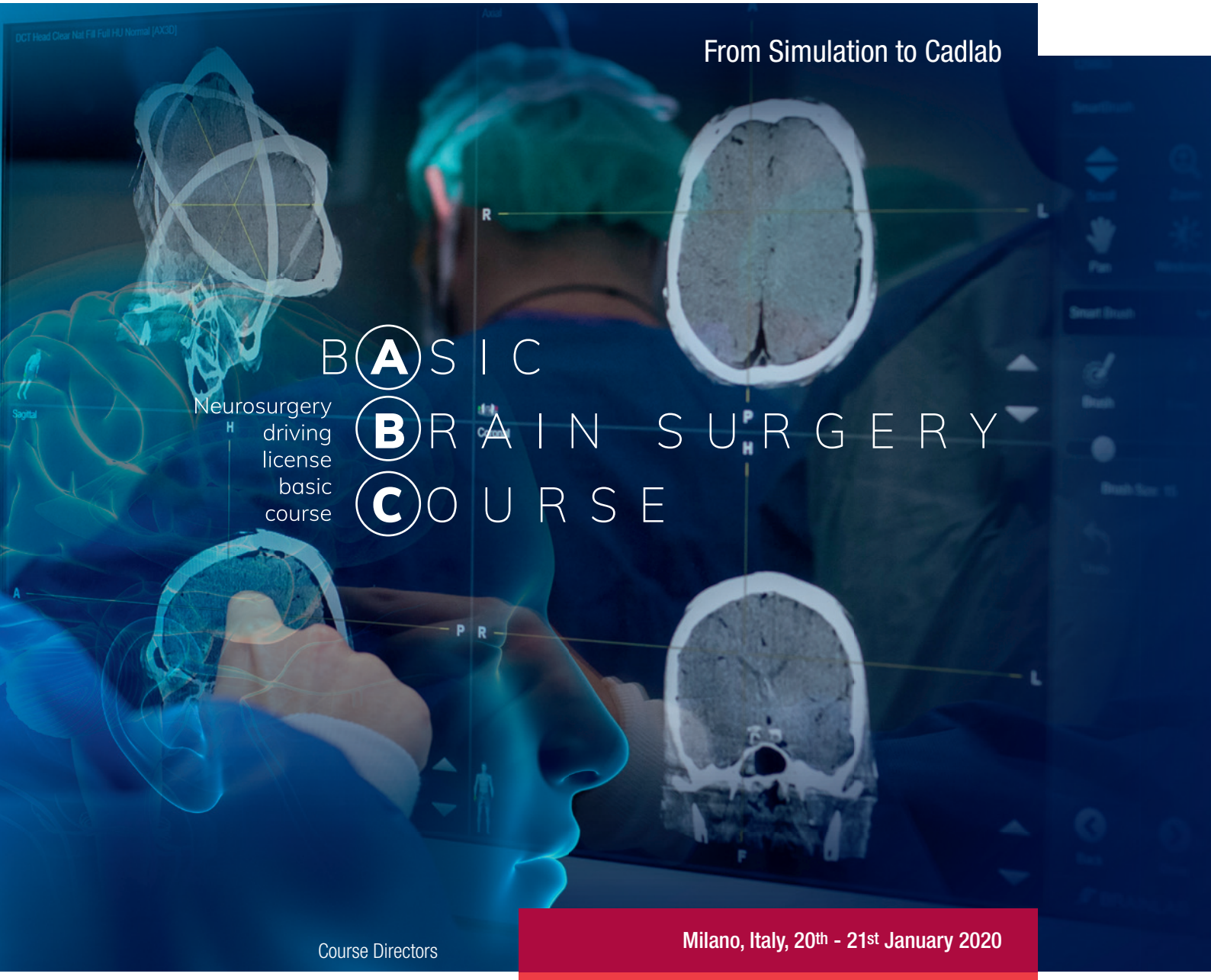
THE EUROPEAN ASSOCIATION OF NEUROSURGICAL SOCIETIES

BESTA NEUROSIM CENTER

SWISS FOUNDATION FOR INNOVATION AND TRAINING IN SURGERY



From Simulation to Cadlab

BASIC BRAIN SURGERY COURSE

Neurosurgery driving license basic course

Course Directors

Francesco DiMeco
Karl Schaller

Milano, Italy, 20th - 21st January 2020

Geneva, Switzerland, 22nd - 24th January 2020

HUG Hôpitaux Universitaires Genève

Fondazione I.R.C.C.S. Istituto Neurologico Carlo Besta

Sistema Socio Sanitario Regione Lombardia

Faculty

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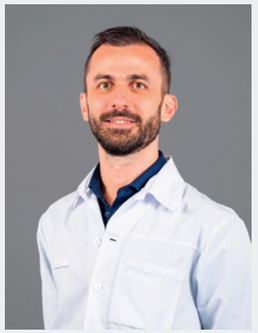
Scientific Director
at Besta NeuroSim Center
Carlo Besta Neurological Institute

Torstein R. Meling MD

Department of Neurosurgery
University Hospital Geneva

Chairman of the EANS Training Committee



Andrea Bartoli MD

Department of Neurosurgery

University Hospital Geneva

Philipp Dammann MD

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The Foundation I.R.C.C.S.
Carlo Besta Neurological Institute

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Chairman of the Department of
Neurosurgery
University Hospital Geneva

Welcome

Dear Colleagues,

We are delighted to invite you to the second edition of the Basic Brain course organized by the Besta NeuroSim center and the SWISS Foundation for Innovation and Training in Surgery (SFITS).

The basics of neurosurgery will be taught by combining face to face lectures with experiential learning. We prepared interactive training modules based on case-studies, demos, techniques presentations, group discussions, simulation exercises, haptic-feedback computerized neurosurgical operations, role-plays, debriefs and self-report evaluation.

During the theoretical courses basic surgical techniques will be taught. You will have the opportunity to exercise these techniques on simulators as well as on anatomical specimens. Your non-technical skills will improve as well, especially when performing the modules on ethics, communication, resilience, empathy, and stress management. These soft skills are crucial for all neurosurgeons.

At the end of the course, every candidate will receive a personal evaluation from the faculty members.

On behalf of our team and our partners, we hope to welcome you to this fruitful hands-on course.

We look forward to seeing you in Milano and Geneva and working with you.

Francesco DiMeco

Karl Schaller

Date

Milano 20th - 21st of January 2020

Geneva 22nd - 24th of January 2020

The five-day program consists of lectures, simulation exercises, case studies, hands-on experiences and group discussions.

The number of participants is limited to 12 in order to provide each resident the opportunity for meaningful interaction with the faculty and a tailored access to simulators and cadavers during the hands on sessions.

You will receive by email the 16 Personality Factor Questionnaire which should be completed before the training.

The other tests, such as The Raven's Advanced Progressive Matrices (APM), The Spatial Ability Test (SPA) and The Purdue Pegboard Test (PBT) will be carried out during the first two days of the course.

Accreditation

- The course is done under the auspices of EANS, SYNS, Swiss Society of Neurosurgery and Società Italiana di Neurochirurgia (SINch).

Objectives

- Get a clear practical overview of basic cranial surgical techniques;
- Understanding pitfalls of basic cranial surgical techniques;
- Discuss and debate patient selection and contraindications;
- Gain a thorough understanding of pre-operative imaging;
- Discuss case studies with expert faculty.

By the end of the program, participants will have a deep knowledge on:

- Surgical indications for some key neurosurgical cranial conditions;
- How to perform emergency procedures in brain surgery;
- The basic approach for elective cranial surgery and related "tips and tricks";
- The multidisciplinary approach required for complex cases.

Audience

The course is open for junior neurosurgeons (1st-3rd years of residency).

Registration

- Price of the course is 1'950 EUR for 5 days.
  IT INCLUDES:

Tuition fees
Train between Milano and Geneva on the 22nd of January 2020
Lunches and coffee breaks
Course dinner

To register, please send an email to **inscription@sfits.ch** with the following information:

Title of the course: Basic Brain Course: From Simulation to Cadlab	
Full name; Title	City
Address	Phone
Hospital	Year of Residency

Your participation will be confirmed by the 31st of November 2019. The course fee should be transferred by the 7th of December to the below SFITS account:

Beneficiary	SWISS Foundation for Innovation and Training in Surgery
Bank name	Crédit Suisse (Suisse) SA
Clearing	4835
IBAN	CH25 0483 5162 4007 9100 1
BIC/SWIFT:	CRESCHZZ80A
Mention:	Basic Brain Course

Venue

SFITS

SWISS Foundation for Innovation and Training in Surgery
Rue Gabrielle-Perret-Gentil 4, 1205 Geneva, Switzerland
+41 22 322 9100
email: inscription@sfits.ch

BESTA NEUROSIM CENTER

Fondazione IRCCS Istituto Neurologico Carlo Besta
Via Giovanni Celoria 11, 20133 Milano
+39 0223912180
email: bestaneurosim@gmail.com

Travel plan

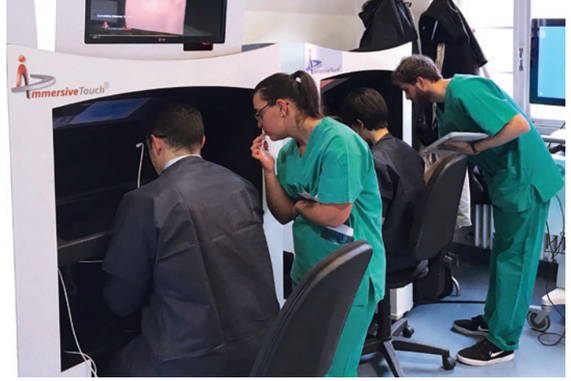
You will need one hour and half from the Malpensa Airport and one hour from Linate Airport to the Besta NeuroSim Center. If you come by train, you will need 30 min from the Milano railway station.

The course will finish on Friday 24th of January at 4PM in Geneva. You will need 45 min to the Geneva airport and 30 min to the Geneva railway station.

More information

www.sfits.ch

Milano



Day 1

Story #1 **"All is well what ends well: a strange 'meningitis', a complicated clinical evolution, plenty of neurosurgery with a happy ending"**

Activity description: interactive group discussion with patients/ actors, neurosurgery simulation activities and operations performed with ImmersiveTouch, NeuroTouch, VP reveal, Surgical Theater, and simulation mannequins (lumbar puncture, dura opening, closure, tumor models removal)

08:00	Registration and welcome coffee
08:30 - 09:00	Presentation of Besta NeuroSim Center and the faculty
09:00 - 13:00	**Story #1 - part 1**, Sim/discussion activities
13:00 - 14:00	Lunch
14.00 - 18:00	**Story #1 - part 2**, Sim/discussion activities
18:00	End of day

Day 2

Story #2 **"Learning how to break bad news: a supposedly straightforward diagnosis turns out to be much worse"**

Activity description: interactive group discussion with patients/ actors, neurosurgery procedures simulated with ImmersiveTouch, NeuroTouch, VP reveal, Surgical Theater, and simulation mannequins (dura opening, closure, tumor models removal)

Story #3 **"The importance of being Ernest: learning how to give a thorough informed consent"**

Activity description: interactive group discussion with patients/ actors, neurosurgery simulation activities and operations performed with ImmersiveTouch, NeuroTouch, VP reveal, Surgical Theater. 3D immersive platforms will also be used to do patient consultation.

08:00 - 08:30	Welcome coffee
08:30 - 09:00	Debrief of Day 1
09:00 - 13:00	**Story #2**, Sim/discussion activities
13:00 - 14:00	Lunch
14:00 - 18:00	**Story #3**, Sim/discussion activities
18:00	End of day

Geneva

Day 3

08:15	Meeting in Milano Centrale
08:23	Departure to Geneva by Train
12:21	Arrival to Geneva
12:45 - 13:30	Lunch at the SFITS and presentation of the training center
13:30 - 15:30	**Cad Lab Session**
	External cranio-cerebral landmarks ▪ by K. Schaller
	Cortical landmarks in CT and MRI imaging ▪ by K. Schaller
	Practicing on positioning of the patient and head on the table and in an headholder
	Instruments "needed to know" to perform craniotomies
	Set up of surgical table and OR
15:30 - 16:00	Coffee break
16:00 - 17:30	Cad Lab Session
	Drilling session
17:30	End of the day

Day 4

08:00 - 08:30	Welcome coffee
08:30 - 11:00	Cad Lab Session
	EVD placement and Burr holes for cSDH treatment ▪ by A. Perin
	Performing EVDs and burr holes on models and cadavers
11:00 - 11:30	Coffee break
11:30 - 14:00	**Cad Lab Session**
	Supratentorial decompressive craniectomy ▪ by T. Meling
	Performing supratentorial decompressive craniectomy on cadavers
14:00 - 14:30	Lunch
14:30 - 17:30	**Cad Lab Session**
	Infratentorial decompressive craniectomy ▪ by A. Bartoli
	Practicing on infratentorial decompressive craniectomy on cadavers
19:00	Course dinner

Day 5

08:00 - 08:30	Welcome coffee
08:30 - 09:30	Case discussion ▪ by A. Moiraghi
09:30 - 12:00	**Cad Lab Session**
	Planning convexity craniotomies with or without navigation ▪ by F. DiMeco
	Principles of crossing sinus craniotomies ▪ by P. Dammann
	Performing convexity parietal craniotomies and crossing SSS sinus on cadavers
12:00 - 12:30	Lunch
12:30 - 15:00	**Cad Lab Session**
	Pterional craniotomy ▪ by T. Meling
	Performing pterional craniotomy on cadavers
15:00 - 15:30	Self-evaluation and discussion with faculty members
15:30	End of the course

Course evaluation will be provided as an online survey

www.sfits.ch

Are you a PGY1-2-3 neurosurgeon?

If so, apply for your first provisional driving license in neurosurgery!

Patronage:

THE EUROPEAN ASSOCIATION OF NEUROSURGICAL SOCIETIES

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Schweizerische Gesellschaft für Neurochirurgie

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