Magyar Aneszteziológia és Intenzív Terápiás Társaság (MAITT)

Hungarian Society of Anaesthesiology and Intensive Therapy (HSAIT)

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Website: www.anesztsinfo.hu
E-mail: anesztsinfo@doki.net

Established: 1966
Current President: Professor László Vímláti
Current Vice-President: Professor Lajos Bogár
Fully registered anaesthesiologists: 790
Anaesthesiology trainees: 722

Affiliations: WFSA - WFSICCM - ESA - FEEA - UEMS - ESICM

Member States of the EU

Hungary

- Year of EU entry: 2004
- Political system: Republic
- Capital city: Budapest
- Total area: 93 000 km²
- Population: 10.1 million
- Currency: Forint
- Listen to the official EU language: Hungarian

Hungary is a landlocked country in the Carpathian Basin of Central Europe bordered by Slovakia, Ukraine, Romania, Serbia, Croatia, Slovenia and Austria. Its landscape is mostly flat, with low mountains in the northern areas. Lake Balaton, a popular tourist centre, is the largest lake in Central Europe.

The ancestors of the ethnic Hungarians were the Magyar tribes, which moved into the Carpathian Basin in 896, conquering the people already settled in the region. Hungary became a Christian kingdom under St. Stephen in the year 1000. The Hungarian language is unrelated to those of its geographic neighbours and only distantly related to Finnish and Estonian.

The capital city, Budapest, which originally consisted of two separate cities - Buda & Pest – straddles the River Danube. It is rich in history and culture and famed for its curative thermal springs.

Hungary is a highly musical country whose traditional folk music inspired such of its great composers as Liszt, Bartók and Kodály.

There are 159 hospitals in Hungary where Anaesthesia and Intensive Care service is provided.

Milestones of Hungarian Anaesthesia
(kis képek mellette)
February 11th, 1847: 4 months after Morton’s narcosis in Boston, Janos Balassa performed its first ether anaesthesia in Budapest.

March 9th, 1847: Council of Governor-General of Pest (later Budapest) issued a statutory rule that required licensed physician supervision during ether anaesthesia.

March 10th, 1847: The world’s third monograph on ether anaesthesia was published by Jozsef Rosenfeld, a Hungarian physician in Leipzig, Germany.

1848-1849: Hungarian War of Independence was the first war in Europe where ether and chloroform anaesthesia were used in the field.

April 1949: First endotracheal anaesthesia was performed in Budapest.

May 1953: The first full-time anaesthetist, Dr. Laszlo Palos was appointed in Budapest.

1958: Section of Anaesthesia was established by the Hungarian Society of Surgery.

1961: The first national conference on anaesthesia was held in Pécs.

1966: Hungarian Society of Anaesthesia and Intensive Care was established (HSAIC, president: Dr. Laszlo Lencz).

2008: 36th National Conference of HSAIC was held in Balatonfüred.

What was Hungary’s contribution to world anaesthesia?

1., First Hungarian book on Anaesthesia was published?
March 10th, 1847: World’s third monograph on ether anaesthesia was published by Jozsef Rosenfeld, a Hungarian physician in Leipzig, Germany.

2., Vilmos Vajna, (1854-1932)
a Hungarian physician, invented a glass facemask that was popular for open ether and chloroform anaesthesia. It was provided with a rubber edge for proper sealing and prevention of burns on the eyes and skin caused by ether. Later, the glass facemask was modified by D.W. Buxton who popularised it in the 1860’s.
3., Francis F. Foldes (1910-1997)

was a world-renowned pharmacologist who made great discoveries and research in the field of analgetics and peripheral muscular relaxants. At the age of 31 he left Hungary and initially worked as an anaesthetist at the Massachusetts General Hospital, Harvard University; later on at the Mercy Hospital, Pittsburgh, Columbia University as well as the Albert Einstein University. Professor Foldes introduced 2-chloroprocain and naloxone to the practice, developed the technique of continuous muscle relaxant infusion and invented low flow anaesthesia.

Activities of the Society

- Organising the annual national congress (participation: 1500 delegates)
- Organising international congresses
- Establishing and holding trainings and education programs
- Running a full-scale simulation training center
- Editing a bi-monthly journal,
- Editing textbooks for teaching in Hungarian
- Setting up and maintenance of the official Website
INTERNATIONAL CONFERENCES ORGANISED BY MAITT

- 1992: EACTA
- 1993: IGSC
- 1999: EAA
- 2001: ESCTAIC
- 2005: EACTA
- 2007: NATA


(Population of Hungary: 10.1 million)

NATIONWIDE REPORTING SYSTEM

Hungarian Society of Anaesthesia and Intensive Care developed the ANESZTINFO NRS (Nationwide Reporting System) with contributions from the Ministry of Information and Communications for collecting nationwide data for our specialties.

Website: www.anesztinfo.hu

The HSAIT established its own web-page called www.anesztinfo.hu in 1998. Here the Society handles its daily affairs, such as membership registry, newsletters, society updates.
Hungarian Anaesthesia Simulation Centre

Hands-on practice of several skills in anaesthesia and intensive care

Computer simulation of anaesthetic techniques (VIMA, TCI, etc.)

Simulation of characteristic scenarios of Anaesthesia and Intensive Care on manikins.

Professional Sections

(I would not repeat the word „section” below)

Cardio-vascular
Pain management
Transoesophageal Echocardiography
Donor Management
Airway Management
recently launched

Regional Sections (Divisions?)

Central Region
North-East Region
South-East Region
South-West Region
North-West Region

Scientific activity in Hungary

The scientific activity of the Hungarian Society of Anaesthesiology and Intensive Therapy (HSAIT) is organised through national and regional forums. In addition to the HSAIT’s Scientific Committee, there are 5 regional sections (divisions?) responsible for holding scientific symposia, workshops and conferences within their area. There are several smaller symposia all over the country mainly for the local members of the region throughout the whole academic year, whilst two large regular conferences are held annually with attendants from every corner of Hungary. One of them takes place in Debrecen (north-east Hungary), the other one is wandering around year-by-year in the beautiful cities of the South-Trans-Danubian region.

The most eagerly awaited event in our society’s life is the national annual conference which is organised by the HSAIT and the Scientific Committee. The number of participants usually exceeds 1200, including nurses and doctors from anaesthesia and intensive care as well as other specialities. The conference lasts for 3 days, with the first day being reserved for courses and workshops. There is also a possibility of submitting abstracts either in Hungarian or English, which are then reviewed by the Scientific Committee and the selected ones are thence orally-presented or displayed as a poster.

A competition awards the eponymous Wittek Prize and the Boros Prize - named after the legendary Hungarian anaesthetists - to junior doctors and researchers.
The (pharmaceutic?) industry shows a keen interest and actively takes part at our national meetings. This year, more than 50 companies participated and held 7 symposia.

The real scientific work and the actual research are done at the 4 universities. The society has no influence on their activities but can support by funding certain projects and sponsoring young researchers to present their results at international meetings.

**Publications from the last years**


**Medical education in Hungary**

**Gradual education: 6 years**

- 3 year “basic sciences”
- 2 years “clinical sciences”
- 1 year internship
- Final state examination at the end of the 6th year

The university curricula include 40hours of training in Anaesthesia and Intensive Care as well as 20hours of Pre-Hospital Emergency Care during the 5th year education
**Medical Universities in Hungary**

- **3 professors 340 students**
- **1 professor 122 students**
- **1 professor 154 students**
- **3 professors 130 students**

**Specialist Training**

- Basic Specialities; total of 5 years including:
  
  - 2 years “Formative Residency Training” at universities or accredited teaching hospitals
  
  - 3 years detailed training program at base hospital where doctor employed on contractual terms; requires a minimum of partial accreditation

- Subspecialization: 2 years

  Logbook
  
  - 100 credit hours
  
  - Participation in organized courses and scientific meetings accepted by the Accreditation Board

**Anaesthesia Minimal Training Periods**

<table>
<thead>
<tr>
<th>Speciality</th>
<th>Duration</th>
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<tbody>
<tr>
<td>1. Abdominal Surgery (incl. Urology &amp; Vascular Surg.)</td>
<td>8 month</td>
</tr>
<tr>
<td>2. Traumatology (incl. orthopaedic surgery)</td>
<td>3 month</td>
</tr>
<tr>
<td>3. Paediatric Surgery</td>
<td>2 month</td>
</tr>
<tr>
<td>4. Gynaecology &amp; Obstetrics</td>
<td>2 month</td>
</tr>
<tr>
<td>5. Neurosurgery</td>
<td>1 month</td>
</tr>
<tr>
<td>6. Thoracic Surgery</td>
<td>1 month</td>
</tr>
<tr>
<td>7. Ophthalmic Surgery</td>
<td>1 month</td>
</tr>
<tr>
<td>8. Ear-Nose-Throat, Head &amp; Neck, Dental Surgery</td>
<td>1 month</td>
</tr>
</tbody>
</table>
9. Cardiac Surgery 1 month
10. Selected compulsory topic 4 month 24 month

**Anaesthesia Minimum Number of Cases: 1200 Cases of Anaesthesia, including at least**

<table>
<thead>
<tr>
<th>General Anaesthesia</th>
<th></th>
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<tbody>
<tr>
<td>Caesarean Section</td>
<td>15</td>
</tr>
<tr>
<td>Paediatric operations</td>
<td>40</td>
</tr>
<tr>
<td>Intracranial operations</td>
<td>15</td>
</tr>
<tr>
<td>Pulmonary operations (selective endobronchial intub.)</td>
<td>15</td>
</tr>
<tr>
<td>Laparoscopic procedures</td>
<td>25</td>
</tr>
<tr>
<td>Fiberoptic intubation</td>
<td>15</td>
</tr>
<tr>
<td>Nasal intubation</td>
<td>10</td>
</tr>
<tr>
<td>Day-case anaesthesia</td>
<td>25</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Regional Anaesthesia</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidural anaesthesia</td>
<td>50</td>
</tr>
<tr>
<td>Spinal anaesthesia</td>
<td>50</td>
</tr>
<tr>
<td>Peripheral nerve block</td>
<td>50</td>
</tr>
</tbody>
</table>

**Examinations**

MCQ examination by end of 4th year

Final examination: two parts:

1: practical
   - 1 week clinical practice, tutor-supervised

2: Board Examination:
   - basic science
   - anaesthesia
   - intensive care

**Continuing Medical Education**

**Historical Background**

- obligatory by law since 1958
  - 1 postgraduate course in 5 years minimum
  - financed by state
• central institutional basis:

Postgraduate Medical School, 1958

• centrally managed programs

• multi-level, structured courses

**New regulation: order on CME, 1999**

obligatory for licence renewal every 5 years by the Medical Chamber

organized by medical universities

under patronage of Boards of Medical Specialities and the Medical Chamber

supervised by the State (Bodies of Ministry of Health)

based on credit hours

accredited courses and scientific meetings

minimum: 250 credit hours / 5 year

**Directory Board of MAITT, 2008**

**President**

Dr. Vimláti László

**Members**

Dr. Janecskó Mária  Former President  
Dr. Bogár Lajos  Vice-President  
Dr. Nagy Géza  Secretary-General  
Dr. Csomós Ákos  Secretary  
Dr. Völgyes Barbara  Treasurer  
Dr. Molnár Zsolt  Scientific Commitee  
Dr. Fülesdi Béla  Education Commitee  
Dr. Babik Barna  Youth Committee  
Dr. Bede Antal  Legal Commitee  
Dr. Morvay Balázs  Ethics and Discipline Commitee  
Dr. Kerekes László  Audit Commitee  

**Professional Sections**

Dr. Babik Barna  Cardio-vascular  
Dr. Budai Erika  Pain manegement  
Dr. Gál János  Transoesophageal Echocardiography  
Dr. Méray Judit  Airway Management Section
**Regional Sections**

Dr. Bobek Ilona  
Central Region

Dr. Jobbágy Lajos  
North-West Region

Dr. Márton Sándor  
South-West Region

Dr. Mikos Borbála  
North-East Region

Dr. Havas Attila  
South-East Region

**Pro Anaesthesia et Therapia Intensiva Honours List**

Dr. Aranyosi János

Dr. Barna Béla

Dr. Boros Mihály (†)

Dr. Darvas Katalin

Dr. Félegyházi Árpád

Dr. Forgács István (†)

Dr. Gurdon János

Dr. Incze Ferenc (†)

Dr. Jakab Tivadar (†)

Dr. Janecskó Mária

Dr. Makiáry Elek (†)

Dr. Oszwald Péter

Dr. Pálos László (†)

Dr. Széll Kálmán

Dr. Tekeres Miklós

Dr. Török Endre (†)

Dr. Ugocsai Gyula

Dr. Uray Éva

Dr. Varga Péter (†)

Dr. Vass-Eyssen Ervin

Dr. Wittek László (†)

**Honorary Members**

Francis F. Foldes (†) (USA)

Paul Goldiner (USA)
Günter Hempelmann (Germany)
Barankay András (Germany)
Josef A. Richter (Germany)
George Silvay (USA)
Hans Sonntag (Germany)
Dietrich Kettler (Germany)
Elena Damir (Russia)
Dag Lundberg (Sweden)
Werner List (Austria)
Gaby Gurmann (Israel)
Simon de Lange (Holland)
Szabó Zoltán (Hungary)
Kulka Frigyes (†) (Hungary)