



**ISRS**  
EDUCATIONAL COURSE

SRS/SRT IN MANAGEMENT OF BENIGN INTRACRANIAL TUMORS,  
SKULL BASE TUMORS, GENITOURINARY AND GYNECOLOGICAL CANCERS;  
MEDICAL PHYSICS AND IMAGING FOR RADIOSURGERY.  
APRIL 21-23, 2022; DEBRECEN, HUNGARY



## Program

The patron of the event:

**Professor Szilvássy Zoltán MD**  
Rector  
University of Debrecen

Mecenatúra



**UNIVERSITY of  
DEBRECEN**



NATIONAL RESEARCH, DEVELOPMENT  
AND INNOVATION OFFICE  
HUNGARY

PROGRAM FINANCED  
FROM THE NRDI FUND

## Welcome message

On behalf of University of Debrecen, Clinical Center, Oncoradiology Clinic, in collaboration with the International Stereotactic Radiosurgery Society (ISRS) and the Department of Neurosurgery it is my pleasure to warmly welcome you to the 2<sup>nd</sup> ISRS Educational Course in Debrecen. After the successful course in 2019 it is my great pleasure to invite all our educational faculty and audience again to Debrecen, Hungary.



Photo: László Bódi

Debrecen is the second largest city in Hungary. It is the cultural, economic and scientific regional center of the Northern Great Plain region. University of Debrecen is one of the largest universities of Hungary, with extensive fields of research and teaching areas. As the economic, cultural and healthcare center of the region, Debrecen is both a familiar and modern metropolis sensitive to its environment and a traditional city conscious of its outstanding cultural and historic and scientific heritage. Thus, Debrecen is a distinctive mixture of old and new, traditional and unique, comfortable and exciting.

In 2019 the course focused on the field of stereotactic management of intracranial malignancies, with dominantly malignant indications. After the hard and difficult years of COVID pandemic the organizers had prepared a program focusing on state of art stereotactic management of benign intracranial tumors and genitourinary and gynecological malignancies.

The program is designed to give high attention to imaging, physics, and the treatment opportunities on this special fields of stereotactical interventions. To be able to transfer this knowledge, we invited many national and international experts. The educational faculty is multidisciplinary and has a wide range of professionals (radiology, radiation oncology, medical oncology, surgery, urology, gynecology, medical physics).

We look forward to seeing you in Debrecen and we wish you a stimulating and productive participation in the ISRS Educational Course as well as an enjoyable stay.

Árpád Kovács MD, PhD  
Course Director  
Head of Oncoradiology Clinic  
University of Debrecen  
Hungary

## Dates

From Thursday April 21, 8:15 to Saturday April 23, 2022

## Registration

- Free admission, but registration is necessary.
- The course has been registered for 18 point in the OFTEX system.
- For Hungarian and EU citizens EU Digital Covid Certificate is necessary.
- Non-EU citizens please visit <https://visithungary.com/category/covid-19-information> for the latest information

## Venue

University of Debrecen Clinical Center,  
Augusta Main Building, 4th floor, Main lecture hall

## Access

**GPS coordinates**      47°33'44.8"N 21°37'16.1"E  
47.562446, 21.621127



## **Faculty**

### **Course Director**



**Árpád Kovács MD, PhD**  
University of Debrecen  
Debrecen, Hungary

### **Co-directors**



**József Dobai MD**  
Gamma Radiosurgery Center  
Debrecen, Hungary



**Mihály Simon**  
University of Debrecen  
Debrecen, Hungary

## Chairman of Scientific Committee on behalf of ISRS



**Mikhail Chernov, MD, DMedSci**  
Department of Neurosurgery, Adachi Medical Center,  
Tokyo Women's Medical University  
Tokyo, Japan

## Invited Speakers, Moderators



**Professor Ervin Berényi, MD**  
University of Debrecen  
Debrecen, Hungary



**Professor Péter Bogner, MD,  
PhD**  
University of Pécs  
Pécs, Hungary



**Vladislav Buryk, MD**  
Sigulda Radiosurgery Center  
Sigulda, Latvia



**Zsolt Cselik, MD**  
Ferenc Csolnoky County Hospital  
Veszprém, Hungary



**Amr El-Shehaby, MD**  
Cairo Gamma Knife Center,  
Nasser Institute  
Cairo, Egypt



**Professor Elitsa Encheva**  
Medical University Varna  
Varna, Bulgaria



**Ildikó Garai MD, PhD**  
ScanoMed Medical Diagnostic,  
Research and Training Center  
Ltd.  
Debrecen, Hungary



**Professor Katalin Hideghéty  
MD, PhD**  
Oncotherapy Department  
University of Szeged  
Szeged, Hungary



**Tamás Kincses, MD**  
Director of Department of  
Radiology  
University of Szeged  
Szeged, Hungary



**Ferenc Lakosi, MD**  
Somogy County Kaposi Mór  
Hospital,  
Dr. József Baka Diagnostic,  
Oncoradiology and Research  
Center  
Kaposvár, Hungary



**Eduardo Lovo, MD**  
International Cancer Center  
San Salvador, El Salvador



**Zoltán Lőcsei, MD**  
Department of Oncotherapy  
University of Pécs, Pécs, Hungary



**Sándor P. Manninger MD, PhD**  
National Institute of Oncology  
Budapest, Hungary



**Maris Mezeckis, MD**  
Sigulda Radiosurgery Center  
Sigulda, Latvia



**László Novák, MD**  
University of Debrecen  
Debrecen, Hungary



**Jan-Erik Palmgren**  
Kuopio University Hospital  
Kuopio, Finland



**Chang-Chien Yi-Che, MD**  
University of Debrecen  
Debrecen, Hungary



## **Program**

**APRIL 21, 2022 (Thursday)**

**Registration (8.15 – 8.45)**

**Greetings (8.45 – 9.00)**

**Speaker:** Vladislav Buryk (Sigulda, Latvia)  
Representative of ISRS Education Committee in East Europe

**Session I (9.00 – 10.40): SRS/SRT in Management of Vestibular Schwannomas**

**Moderators:** Vladislav Buryk (Sigulda, Latvia),  
József Dobai (Debrecen, Hungary)

- **Vestibular Schwannomas: Overview**  
Chang-Chien Yi-Che (Debrecen, Hungary)
- **Surgery for Vestibular Schwannomas**  
László Novák (Debrecen, Hungary)
- **Radiosurgery of Sporadic Vestibular Schwannomas**  
Eduardo Lovo (San Salvador, El Salvador)
- **Radiosurgery of Schwannomas in Patients with Neurofibromatosis Type 2**  
József Dobai (Debrecen, Hungary)
  
- **Discussion**

**Coffee Break (10.40 – 11.00)**

**Plenary Lecture (11.00 – 11.40):**  
**Radiosurgery of Non-vestibular Schwannomas**

**Speaker:** Vladislav Buryk (Sigulda, Latvia)

**Moderator:** Amr El-Shehaby (Cairo, Egypt)

**ACCURAY Satellite Symposium (11.40 – 12.40)**

- **Radiosurgery with CyberKnife for AVMs**  
Dr. Vladislav Buryk (Sigulda Radiosurgery Center, Sigulda, Latvia)
- **CyberKnife for parasellar tumors**  
Dr. Cvek Jakub (University of Ostrava, Ostrava, Czech Republic)

**Group photo / Lunch (12.40 – 14.00)**

**ELEKTA Satellite Symposium (14.00 – 15.00)**

- **Lightning – A Simple Solution for Accelerated Radiosurgery**  
Roman Liščák (Na Homolce Hospital, Prague, Czech Republic)  
Björn Somell (Senior Product Manager for Radiosurgery Treatment Planning System, Elekta)

**Plenary Lecture (15.00 – 15.40):**  
**SRS/SRT of Benign Intracranial Meningiomas**  
**Speaker:** Dr. Amr El-Shehaby (Cairo, Egypt)

**Moderator:** Eduardo Lovo (San Salvador, El Salvador)

**Plenary Lecture (15.40 – 16.20):**  
**SRS/SRT of Atypical and Anaplastic Meningiomas**  
**Speaker:** Professor Elitsa Encheva (Varna, Bulgaria)

**Moderator:** Maris Mezeckis (Sigulda, Latvia)

**Discussion**

**Coffee Break (16.20 – 16.40)**

**Session II (16.40 – 18.00): SRS/SRT of Sellar Tumors**

**Moderators:** László Novák (Debrecen, Hungary),  
Elitsa Encheva (Varna, Bulgaria)

- **SRS/SRT in Vicinity to Anterior Optic Pathways**  
Vladislav Buryk (Sigulda, Latvia)
- **Role of SRS/SRT in Management of Pituitary Adenomas**  
József Dobai (Debrecen, Hungary)
- **Role of SRS/SRT in Management of Craniopharyngiomas**  
Amr El-Shehaby (Cairo, Egypt)
  
- **Discussion**

**Plenary Lecture (18.00 – 18.40):**  
**Radiosurgery of Cavernous Sinus Tumors**  
**Speaker:** Dr. Eduardo Lovo (San Salvador, El Salvador)

**Moderator:** József Dobai (Debrecen, Hungary)

**Plenary Lecture (18.40 – 19.20):**  
**Single-session vs. Multi-session SRS in Management of Benign Intracranial Extracerebral Tumors**  
**Speaker:** Dr. Maris Mezeckis (Sigulda, Latvia)

**Moderator:** József Dobai (Debrecen, Hungary)

**Closing Remarks for the First Day (19.20 – 19.25)**

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## **APRIL 22, 2022 (Friday)**

### **Registration (8.30 – 9.00)**

### **Session III (9.00 – 10.40): Imaging for Stereotactic Radiosurgery**

**Moderators:** Péter Bogner (Pécs, Hungary),  
Ervin Berényi (Debrecen, Hungary)

- **Imaging Protocols for Radiosurgery: Standard Options and Beyond**  
Ervin Berényi (Debrecen, Hungary)
- **Role of Functional and Metabolic MRI in Radiosurgery**  
Tamás Kincses (Szeged, Hungary)
- **PET Imaging for Radiosurgery Discussion**  
Ildikó Garai (Debrecen, Hungary)
- **Post-Radiosurgery Imaging**  
Sándor Manninger (Budapest, Hungary)
  
- **Discussion**

### **Coffee Break (10.40 – 11.00)**

### **Plenary Lecture (11.00 – 11.40):**

**Gamma Knife vs. CyberKnife vs. LINAC: Advantages and Limitations**

**Speaker:** Mihály Simon (Debrecen, Hungary)

**Moderator:** Jan-Erik Palmgren (Kuopio, Finland)

### **ScanoMed Satellite Symposium (11.40 – 12.40)**

- **Qbot Dicom Diagnostics: A Step Further to Improve Image Quality**  
Attila Forgács, PhD (Chief physicist, ScanoMed)

### **Lunch / Visit to the Radiation Surgery Center / Introduction of Brain-X Kft. (12.40 – 13.40)**

### **ZAP Surgical Satellite Symposium (13.40 – 14.40)**

- **ZAP-X Gyroscopic Radiosurgery: A New Frontier of Vault-Free, Cobalt-Free SRS**  
David Miles (European Director of Business Development, ZAP Surgical)

### **Session IV (14:40 – 16:00): SRS/SRT of Renal and Adrenal Gland Cancers**

**Moderators:** Árpád Kovács (Debrecen, Hungary),  
Zoltán Lőcsei (Pécs, Hungary)

- **Renal Cancer: Overview**  
Katalin Hideghéty (Szeged, Hungary)
- **Radiosurgery of Renal Cancer: Indications and Results**  
Dr. Zsolt Cselik (Veszprém, Hungary)

- **Irradiation of Adrenal Gland Metastases**  
Dr. Zoltán Lőcsei (Pécs, Hungary)
- **Discussion**

**Coffee Break (16.00 – 16.20)**

**Session V (16.20 – 17.40): Radiosurgery of Prostate Cancer**

**Moderator:** Maris Mezeckis (Sigulda, Latvia)

- **Radiosurgery of Prostate SRT: Technical and Technological Aspects**  
Mr. Jan-Erik Palmgren (Kuopio, Finland)
- **Radiosurgery of Primary and Recurrent Prostate Cancer: Results**  
Dr. Maris Mezeckis (Sigulda, Latvia)
- **Radiosurgery of Prostate Cancer: Complications and their Avoidance**  
Professor Elitsa Encheva (Varna, Bulgaria)
- **Discussion**

**Plenary Lecture (17.40 – 18.20):**  
**Irradiation of Gynecological Cancers**

**Speaker:** Ferenc Lakosi (Kaposvár, Hungary)

**Moderator:** Mihály Simon (Debrecen, Hungary)

**Closing Lecture (18.20 – 18.35):**  
**ISRS, Its Current Activities, and Future Projects**

**Speaker:** Vladislav Buryk (Sigulda, Latvia)  
Representative of ISRS Education Committee in East Europe

**Moderators:** Árpád Kovács (Debrecen, Hungary)

**Closing Remarks / Certification of Attendance (18.35 – 18.45)**

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**APRIL 23, 2022 (Saturday)**

**Meeting of Faculty Members (8:00-17:00)**

## Partners/Sponsors

# ACCURAY

<https://www.accuray.com/>

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GREENSOUND PLUSZ

<http://www.greensound.hu/>



<https://www.zapsurgical.com/>



<https://www.sugarsebeszet.hu/>



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UNIVERSITY *of*  
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**ISRS** INTERNATIONAL STEREOTACTIC  
RADIOSURGERY SOCIETY

[www.isrsy.org](http://www.isrsy.org)

## General info:

### **University of Debrecen**

<https://unideb.hu/en/university-debrecen-some-facts-and-figures>

### **Accommodation:**

<https://www.hotellycium.hu/hu>

<http://grand-aranybika.hotels-in-hungary.net/hu/>

<https://civis.house.hu/>

### **Nearby parking:**



### **International Participants:**

International participants of the Course requiring entry visa to Hungary, should send a written request for supporting paperwork to the Organizing Committee.

### Organizer:

**A Debreceni Sugárkezeltekért alapítvány**

4032, Debrecen, Hungary

Nagyerdei krt 98

TAX No 18563014-1-09,

Bank account: OTP Bank 11738008-20246266-00000000







