



# ISRS

SRS/SRT IN MANAGEMENT OF BENIGN INTRACRANIAL TUMORS,  
SKULL BASE TUMORS, PROSTATE AND RENAL CANCERS;  
MEDICAL PHYSICS FOR RADIOSURGERY.

EDUCATIONAL COURSE DECEMBER 1-3, 2022; SAN JOSÉ, COSTA RICA  
ORGANIZED IN COLLABORATION WITH THE IBERO-LATIN AMERICAN SOCIETY OF RADIOSURGERY  
AND THE INTERNATIONAL LEKSELL GAMMA KNIFE SOCIETY

**#ISRSPuraVida2022**



CENTRO  
INTERNACIONAL  
DE CÁNCER  
HOSPITAL DE DIAGNÓSTICO



Centro de  
Radiocirugía  
Robótica

Centro Internacional de Cáncer

# General Information

**#ISRSPuraVida2022**

Organized by:  
International Stereotactic Radiosurgery Society  
Ibero-Latin American Society of Radiosurgery  
International Leksell Gamma Knife Society  
International Cancer Institute  
Centro de Radiocirugía Robótica, San José, Costa Rica

Date:  
From December 1 (Thursday)  
to December 3 (Saturday), 2022

Venue:  
Crowne Plaza San José Corobicí  
San José, Costa Rica

Website:  
[www.radiocirugiarobotica.com/isrs/](http://www.radiocirugiarobotica.com/isrs/)

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Dear

**Colleagues,  
Friends!**

Greetings! Herein, we are cordially inviting you to take part in the Educational Course of the International Stereotactic Radiosurgery Society (ISRS; [www.ISRSy.org](http://www.ISRSy.org)), which will be held in San Jose, Costa Rica, on December 1-3, 2022.

Starting from December 2016, ISRS has launched its educational program with regular organization of courses with a purpose to disseminate knowledge on current applications of stereotactic irradiation in management of various neurosurgical and somatic diseases, and to provide continuous medical education in this field. By this time, 19 such events were organized in various countries (Brazil, China, Egypt, Finland, Georgia, Hungary, Italy, Latvia, Russia, Switzerland, UK). Although in 2020-2021 our activities were interrupted owed to the worldwide COVID pandemic, now we are going to restore it, and for the first time are organizing the ISRS Educational Course in Central America, in the beautiful country of Costa Rica.

The Course is intended for radiation oncologists, neurosurgeons, medical physicists, residents, and students interested in increasing their knowledge in the field of radiosurgery and stereotactic radiotherapy. The event will be organized in collaboration with the Ibero-Latin American Society of Radiosurgery (IBLA) and the International Leksell Gamma Knife Society (LGKS), and will be mainly dedicated to the applications of stereotactic irradiation for management of benign intracranial tumors, skull base tumors, and genitourinary malignancies, as well as to some of the fundamentals of the physics behind our discipline. This knowledge will be handed down by renowned experts in the field that have kindly agreed to participate and share their experience with the Course attendees. Free and open discussions on the highlighted topics are planned with encouragement of any participant to take part in it and express his/her own opinion. In addition, we are planning special sessions with highlight of individual clinical cases with consideration of different options for their management. Overall, it will be a great opportunity to interchange experiences that will surely provide personal and collective growth in our day-to-day clinical practice. Most radiosurgical platforms will be well represented giving a unique opportunity to integrate the lessons learned to most centers that practice stereotactic irradiation.

San Jose is a vibrant and very pleasant city, and Costa Rica is known as an important tourist destination in part driven by the “Pura Vida” philosophy. “Pura Vida” is in everything this country represents — the great advances in ecological preservations, a well established universal health care system, the smiles of the Costa Rican citizens. We would like to reflect this philosophy in the spirit of our educational course as well. Through your valuable participation and integration of the “Pura Vida” attitude in the field of radiosurgery, we shall strive to leave behind the wonderful gift of knowledge, the wisdom and experience to pursue excellence in our discipline so we can give our patients the best results, thus enhancing quality of life through the region. We look forward to seeing you in San Jose and wish you a stimulating and productive participation in the ISRS Educational Course as well as an enjoyable stay.

#ISRSPuraVida



Mikhail Chernov  
Chair of the ISRS  
Education Committee  
TWMU Adachi Medical Center  
Tokyo, Japan

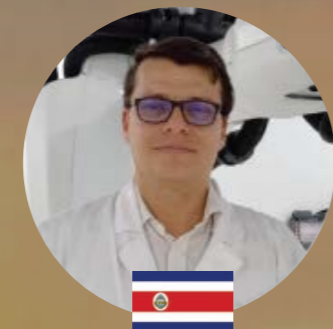


Eduardo Lovo  
Course Director  
International Cancer Center  
San Jose, Costa Rica



**ISRS** SRS/SRT IN MANAGEMENT OF BENIGN INTRACRANIAL TUMORS,  
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# Faculty



**Dr. Julio Argüello**  
International Cancer Center  
San Jose, Costa Rica



**Mr. Mark Arnold**  
ZAP-X  
San Francisco, CA, USA



**Dr. Fabian Artavia**  
International Cancer Center  
San Jose, Costa Rica



**Dr. Alejandro Blanco**  
Course co-director  
International Cancer Center  
San Jose, Costa Rica



**Dr. Vladislav Buryk**  
Sigulda Radiosurgery Center  
Sigulda, Latvia



**Dr. Pablo Castro Peña**  
Instituto Multidisciplinario  
de Oncología (IMO)  
Viedma, Rio Negro, Argentina



**Dr. Mikhail Chernov**  
TWMU Adachi Medical Center  
Tokyo, Japan



**Dr. Sean Philip Collins**  
MedStar Georgetown  
University Hospital  
Washington, D.C., USA



**Dr. József Dobai**  
University of Debrecen  
Debrecen, Hungary



**Dr. Marc Geurts**  
Aspirus Health  
Wausau, WI, USA



**Dr. Gerardo Guinto**  
Centro Médico ABC  
Mexico City, Mexico



**Dr. Alonso Gutiérrez**  
Miami Cancer Institute,  
Miami, FL, USA



**Professor Arpad Kovacs**  
University of Debrecen  
Debrecen, Hungary



**Dr. José Lorenzoni**  
Universidad Católica  
de Chile Santiago, Chile



**Dr. Eduardo Lovo**  
Course director  
International Cancer Center  
San Jose, Costa Rica



**Professor Ian McCutcheon**  
MD Anderson Cancer Center  
Houston, TX, USA



**MSc. Ricardo Mejías**  
International Cancer Center  
San Jose, Costa Rica



**Dr. Maris Mezeckis**  
Sigulda Radiosurgery Center  
Sigulda, Latvia



**Dr. Sergio Moreno**  
National Institute for Neurology  
and Neurosurgery Mexico City,  
Mexico



**Professor Yoshimasa Mori**  
Shin-Yurigaoka General  
Hospital, Tokyo, Japan



**Dr. Uriel Novick**  
Fleni, Buenos Aires,  
Argentina



**Professor Ian Paddick**  
Medical Physics Limited  
London, UK



**Dra. Juliana Ramírez**  
International Cancer Center  
San Jose, Costa Rica



**MSc. William Reyes**  
International Cancer Center  
San Salvador, El Salvador



**Dr. Kita Sallabanda**  
Hospital Clínico  
Universitario San Carlos,  
Madrid, Spain



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



**Dra. Tatiana Soto**  
Course co-director  
International Cancer Center  
San Jose, Costa Rica



**Dr. Emmanuelle Vargas**  
Mexico Hospital  
Costa Rican Social  
Security Fund  
San Jose, Costa Rica



**Dr. Daniel Venencia**  
Instituto Zunino –  
Fundacion Marie Curie  
Cordoba, Argentina



**Professor CP Yu**  
Canossa Hospital  
Hong Kong, SAR, China

#ISRSPuraVida2022

Date:  
**From December 1 (Thursday)  
to December 3 (Saturday), 2022**

## Gold Sponsors



## Silver Sponsors





# Agenda

From December 1 (Thursday)  
to December 3 (Saturday), 2022.

**#ISRSPuraVida2022**

# Thursday December 1st

8:00 – 8:45  
**Registration**

8:45 – 9:00  
**Greetings**

9:00 – 9:30  
**Plenary Lecture I**  
**Radiosurgery: Basic Principles and Correct Terminology.**  
Eduardo Lovo (Costa Rica)  
**Moderators:** Mikhail Chernov (Japan); Eduardo Lovo (Costa Rica)

9:30 – 11:10  
**Session I**  
**SRS/SRT in Management of Vestibular Schwannomas**  
**Moderators:** Mikhail Chernov (Japan); Eduardo Lovo (Costa Rica)

**Vestibular Schwannomas: Overview**  
Emmanuelle Vargas (Costa Rica)

**Surgery for Vestibular Schwannomas**  
Gerardo Guinto (Mexico)

**Radiosurgery of Sporadic Vestibular Schwannomas**  
Mikhail Chernov (Japan)

**Radiosurgery of Schwannomas in Patients with Neurofibromatosis Type 2**  
József Dobai (Hungary)

**Discussion**

11:10 – 11:40  
**Plenary Lecture II:**  
**Modern Radiosurgical Strategies for Management of Vestibular Schwannomas**  
CP Yu (Hong Kong, SAR, China)  
**Moderators:** Mikhail Chernov (Japan); Eduardo Lovo (Costa Rica)

11:40 – 12:00  
**Coffee Break**

12:00 – 12:30  
**Plenary Lecture III**  
**Radiosurgery of Non-vestibular Schwannomas**  
Vladislav Buryk (Latvia)  
**Moderators:** Kita Sallabanda (Spain), Alejandro Blanco (Costa Rica)

12:30 – 13:00  
**Plenary Lecture IV**  
**Radiosurgery of Cavernous Sinus Tumors**  
Jose Lorenzoni (Chile)  
**Moderators:** Kita Sallabanda (Spain), Alejandro Blanco (Costa Rica)

13:00 – 13:30  
**Plenary Lecture V**  
**Radiosurgery of Glomus Tumors**  
Ian McCutcheon (USA)  
**Moderators:** Kita Sallabanda (Spain), Alejandro Blanco (Costa Rica)

13:30 – 14:30  
**Group photo / Lunch**



**Thursday**  
**December 1st**



14:30 – 15:30

**Satellite Symposium of ZAP-X  
ZAP-X Vault-Free, Cobalt-Free  
Radiosurgery: A New Frontier of World-Class SRS**

**Speaker:** Kita Sallabanda (Medical Director of the Institute of Advanced Radiosurgery (IRCA) and Director of the Masters in Radiosurgery Program at Complutense University, Madrid, Spain)

**Moderator:** Mark Arnold (ZAP)

15:30 – 16:50

**Session II  
SRS/SRT of Intracranial Meningiomas**

**Moderators:** CP Yu (Hong Kong, SAR, China),  
Juliana Ramirez (Costa Rica)

**Surgery of Skull Base Meningiomas**

Gerardo Guinto (Mexico)

**SRS/SRT of Skull Base Meningiomas**

Kita Sallabanda (Spain)

**SRS/SRT of Convexity and Parasagittal Meningiomas**

Sergio Moreno (Mexico)

**Discussion**

16:50 – 17:10

**Coffee Break**

17:10 – 18:10

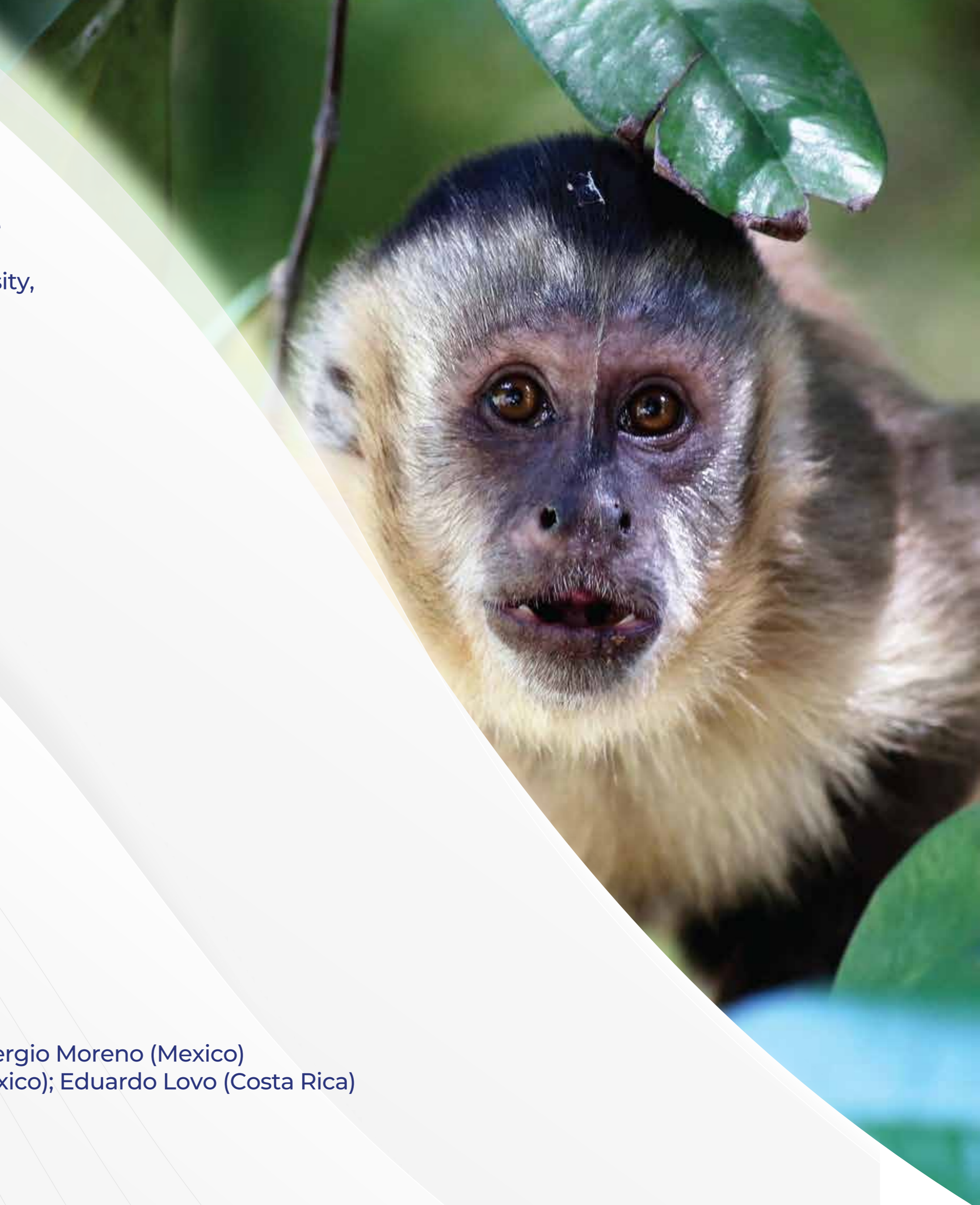
**Discussion on Real Clinical Cases: Neurosurgical  
Indications**

**Speakers:** József Dobai (Hungary); Ian Paddick (UK);  
CP Yu (Hong Kong, SAR, China); Vladislav Buryk (Latvia); Sergio Moreno (Mexico)

**Moderators:** Mikhail Chernov (Japan); Gerardo Guinto (Mexico); Eduardo Lovo (Costa Rica)

18:10

**Closing Remarks**



# Friday December 2nd

8:00 – 8:30

## Registration

8:30 – 10:10

## Session III

### SRS/SRT of Sellar Tumors

**Moderators:** József Dobai (Hungary),  
Jose Lorenzoni (Chile), Sergio Moreno (Mexico)

### SRS/SRT in Vicinity to Anterior Optic Pathways

Alejandro Blanco (Costa Rica)

### Role of SRS/SRT in Management of Nonfunctioning Pituitary Adenomas

József Dobai (Hungary)

### Role of SRS/SRT in Management of Hormone-secreting Pituitary Adenomas

Ian McCutcheon (USA)

### Role of SRS/SRT in Management of Craniopharyngiomas

Vladislav Buryk (Latvia)

## Discussion

10:10 – 10:40

## Plenary Lecture VI

### Current Role of Conventional FRT in Management of Benign Intracranial Extracerebral Tumors

Tatiana Soto (Costa Rica)

**Moderators:** József Dobai (Hungary), Jose Lorenzoni (Chile),  
Sergio Moreno (Mexico)

10:40 – 11:10

## Plenary Lecture VII

### SRS/SRT of Skull Base Malignancies

Yoshimasa Mori (Japan)

**Moderators:** József Dobai (Hungary), Jose Lorenzoni (Chile), Sergio  
Moreno (Mexico)

11:10 – 11:30

## Coffee Break

11:30 – 12:30 **varian**

### Satellite Symposium of VARIAN: Frameless Stereotactic Radiosurgery with Edge Technology for Brain Metastases

**Speaker:** Mark Geurts (Chief Medical Physicist at Aspirus Health;  
Wausau, WI, USA)

**Moderators:** Santiago Martinez (VARIAN), Jeffrey Garcia (PROMED)

12:30 – 13:30 **Elekta**

### Satellite Symposium of ELEKTA: Novel Radiosurgery Innovations using Multiple Delivery Platforms

**Speaker:** Alonso Gutierrez (Chief Medical Physics at Miami Cancer  
Institute, Miami, FL, USA)

**Moderator:** Ian Paddick (Medical Physics Limited, London, UK),  
Ricardo Mejias (International Cancer Center, San Jose, Costa Rica)

13:30 – 14:30

## Lunch

**Friday**  
**December 2nd**

14:30 – 15:30 **ACCURAY**



**Joint Satellite Symposium of ACCURAY and ROBOTIC RADIOSURGERY CENTER, SAN JOSE, COSTA RICA: Radiosurgery in Intractable Pain. Introduction of the Robotic Radiosurgery Center (San Jose, Costa Rica) and its Transcendence in Central America**  
Eduardo Lovo, neurosurgeon

**Pituitary Radiosurgery for Management of Intractable Pain**  
Mikhail Chernov, neurosurgeon

**Patient Selection for Radiosurgery Pain Management**  
Gabriel Carvajal, palliative care specialist

**Non-Oncological Pain**  
Alejandro Blanco, radiation oncologist

**Oncological Pain: Multi-Target Approach**  
Dra. Tatiana Soto, radiation oncologist

**Moderators:** Eduardo Lovo (International Cancer Center, San Jose, Costa Rica), Ian McCutcheon (MD Anderson Cancer Center, Houston, TX, USA)

15:30 – 16:00

**Plenary Lecture VIII**  
**Radiobiology of High Doses: Modeling of SBRT, SRT and SRS**  
Ian Paddick (UK)

**Moderators:** Ian McCutcheon (USA), Eduardo Lovo (Costa Rica)

16:00 – 16:20  
**Coffee Break**

16:20 – 16:50

**Plenary Lecture IX**

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

Mihály Simon (Hungary)

**Moderators:** Mihály Simon (Hungary), Uriel Novick (Argentina), William Reyes (El Salvador)

16:50 – 18:30

**Session IV: Medical Physics for Radiosurgery**

**Moderators:** Mihály Simon (Hungary), Uriel Novick (Argentina), William Reyes (El Salvador)

**Patient Immobilization for Stereotactic Irradiation**

Daniel Venencia (Argentina)

**SRT of Intracranial Malignancies: How to Improve Gradients and Treatment Efficiency**

Ian Paddick (UK)

**SRS of Movable Targets**

Ricardo Mejias (Costa Rica)

**Organs-at-Risk and Their Preservation**

Uriel Novick (Argentina)

**Discussion**

18:30 – 18:35

**Closing Remarks for the Second Day**

# Saturday December 3rd

8:30 – 9:00

**Plenary Lecture X  
Radiosurgery of Renal Cancer**

Arpad Kovacs (Hungary)

**Moderators:** Maris Mezeckis (Latvia),  
Fabian Artavia (Costa Rica), Julio Arguello (Costa Rica)

9:00 – 10:20

**Session V  
Radiosurgery of Prostate Cancer**

**Moderators:** Maris Mezeckis (Latvia), Fabian Artavia  
(Costa Rica), Julio Arguello (Costa Rica)

**Radiosurgery of Prostate Cancer: Technical and  
Technological Aspects**

Sean Collins (USA)

**Radiosurgery of Primary and Recurrent Prostate Cancer:  
Results**

Julio Arguello (Costa Rica)

**Radiosurgery of Prostate Cancer:  
Complications and their Avoidance**

Pablo Castro (Argentina)

**Discussion**

10:20 – 10:50

**Plenary Lecture XI  
International Study on Radiosurgery  
of Prostate Cancer: Interim Report of the ISRS Working  
Group on Prostate Radiosurgery**

Maris Mezeckis (Latvia)

**Moderators:** Maris Mezeckis (Latvia), Fabian Artavia (Costa Rica),  
Julio Arguello (Costa Rica)

10:50 – 11:10

**Coffee Break**

11:10 – 12:10

**Discussion on Real Clinical Cases: Somatic Indications**

**Speakers:** Arpad Kovacs (Hungary); Pablo Castro (Argentina);  
Daniel Venencia (Argentina); Fabian Artavia (Costa Rica);  
Juliana Ramirez (Costa Rica)

**Moderators:** Arpad Kovacs (Hungary), Vladislav Buryk (Latvia),  
Tatiana Soto (Costa Rica)

12:10 – 12:30

**Closing Lecture: ISRS, Its Current Activities,  
and Future Projects**

Mikhail Chernov (Japan)

**Moderator:** Eduardo Lovo (Costa Rica)

12:30 – 12:45

**Closing Remarks / Certification**

# NOTES






## NOTES

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# LEARN MORE ABOUT

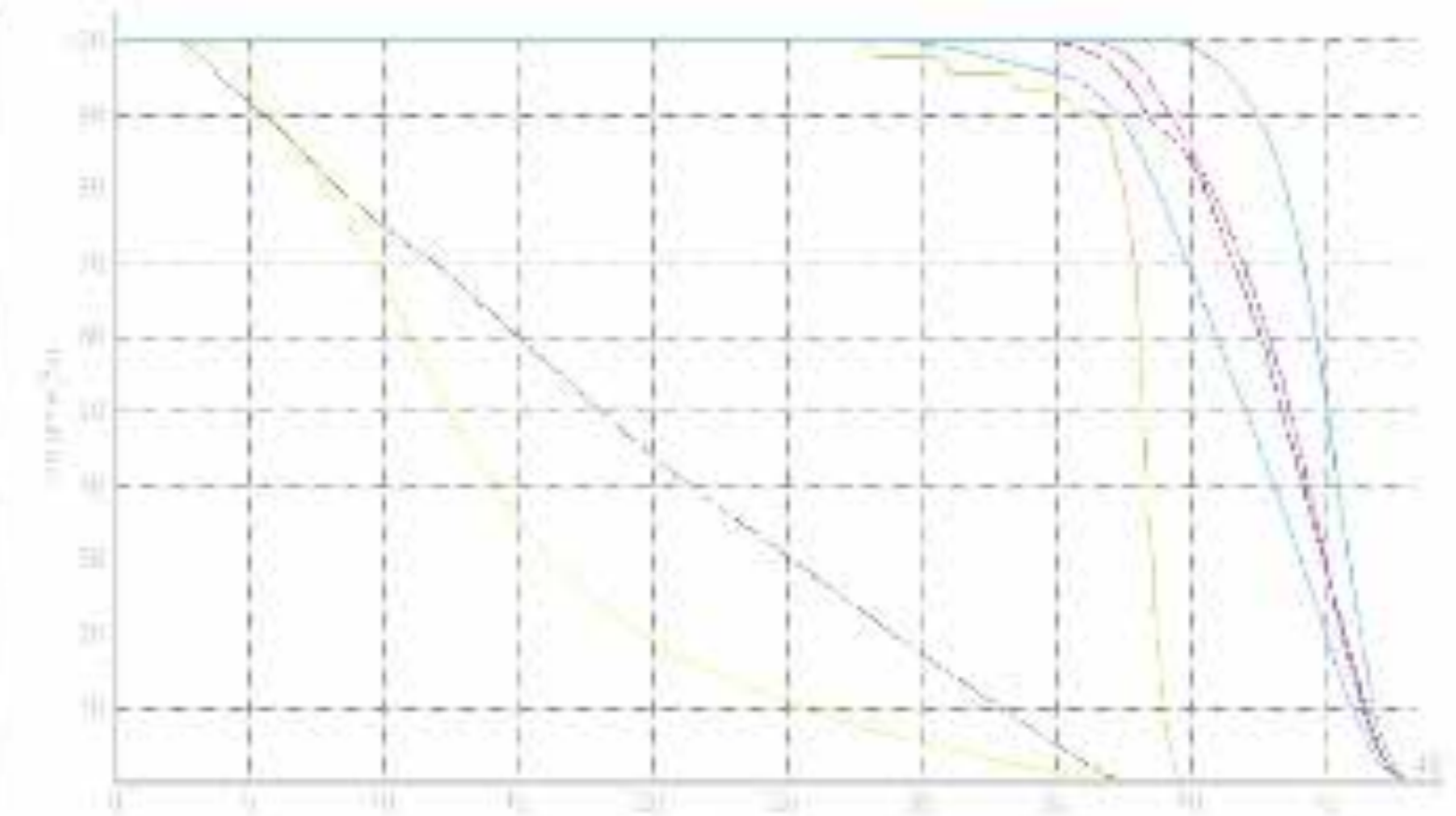
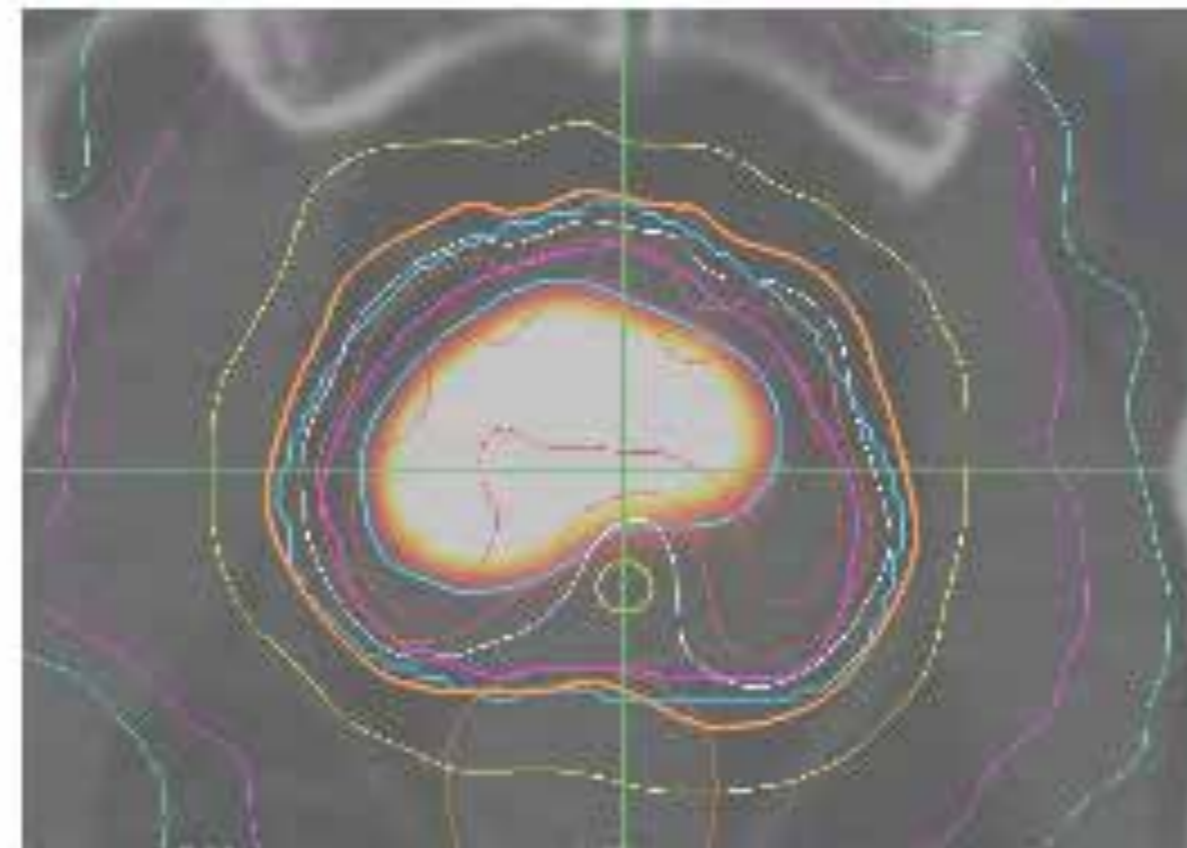


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The ISRS Working Group on Prostate Radiosurgery was created during the ISRS Educational Course held in Kuopio, Finland, on November 1-3, 2018 with the goal of clarifying the role of SBRT in the treatment of prostate cancer utilizing a multicenter registry which has been developed in collaboration with Riga Stradins University Laboratory of Statistics. At present, this Group incorporates 7 participating centers in Gliwice (Poland), Kaposvár (Hungary), Kaunas (Lithuania), Kuopio (Finland), Sigulda (Latvia), St. Petersburg (Russia), and Toronto (Canada), and welcomes partnership with other interested colleagues who wish to collaborate and ready to submit required clinical data for their inclusion into the integrated analysis.

Recently, we have summarized current evidence of the SBRT application in cases of intermediate, unfavorable and high-risk prostate cancer, which has been published in the official ISRS Journal, Journal of Radiosurgery and SBRT (see, PMID: 36275129; PMCID: (PMC9489076). Currently we are searching for data on intermediate, unfavorable and high-risk prostate cancer treated with SBRT with up to 6 fractions schedule. For this purpose, we developed RedCap database to collect multicenter information for its further statistical analysis. We are also interested in investigation of the SBRT application in cases of relapsed and oligometastatic prostate cancer. Finally, the ISRS Working Group on Prostate Radiosurgery is setting up a company of interested clinicians and scientists for development of the guidelines on SBRT of prostate cancer as a contribution to the ISRS Guideline Project. If you or your colleagues are interested in any of these projects, we are kindly inviting you to join our activities. Every contributor to our multicenter studies is granted with sharing co-authorship in all related publications. For further information, please contact coordinator of the ISRS Working Group on Prostate Radiosurgery Dr. Maris Mezeckis, Radiation Oncologist from Sigulda Radiosurgery Center, Sigulda, Latvia (maris.mezeckis@gmail.com).



## Educational courses

**February 2023:** Houston, TX, USA

**April 2023:** Madrid, Spain

**June 2023:** Sigulda, Latvia

**August 2023:** Kochi, India

**October 2023:** Buenos Aires, Argentina

**December 2023:** Istanbul, Turkey

**February 2024:** Varna, Bulgaria

This schedule should be considered provisional and may be corrected. For further updates, please, follow our web-site

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



## The ISRS fosters multidisciplinary education, collaborative research and clinical and technical best practices in SRS and SBRT



## ISRS Certification Service

ISRS was founded as a global nonprofit organization in 1991. As the largest association of its kind, ISRS invites its members to join a diverse, worldwide community of neurosurgeons, radiation oncologists, medical physicists and other healthcare professionals who are focused on the advancement of SRS and SBRT through:

-Offering state-of-the-art educational activities.

-Defining and disseminating clinical best practice and guidelines.

-Fostering scientific research and collaboration.

-Convening the ISRS Congress

The ISRS is committed to raising the level of quality of SRS treatment delivery around the world and promoting the highest levels of clinical expertise.

Our Certification Service recognises centres that demonstrate best practice and standards in terms of patient selection, treatment planning, dosimetry and patient care in intracranial SRS.

Our service provides value through:

**-Personalised, on-site education** provided by experts in SRS over 2 days to ensure you are confident in delivering quality treatment to your patients.

**-End-to-end testing by ISRS physicists** to satisfy the requirement of an external dosimetrical audit.

**-Formal recognition by ISRS of your commitment** to the highest quality standards in SRS.

**-Streamlined recertification** process 3 years following successful certification ensures you maintain quality SRS standards long-term.





# ISRS

International Stereotactic Radiosurgery Society

## A unique face-to-face personalised service

The ISRS Certification Service is equally suited to experienced centres or those that are starting to treat for the first time and would benefit from an external audit.

The certification process involves:

- The completion of a pre-visit questionnaire
- A two-day visit by an expert physicist who performs a comprehensive audit
- Remote support by an expert SRS physician, via video conferencing
- Use of the prestigious ISRS Certified stamp for a period of 3 years from the date of successful audit completion

## Why should your centre become ISRS-certified?

Even the best SRS centres can benefit from an independent external assessment conducted by a device-agnostic organisation. External dosimetrical audits are now strongly recommended, or even mandatory in some countries, and the end-to-end testing included with the ISRS Certification Service satisfies this requirement.

In a competitive environment a certified centre is able to demonstrate that their commitment to the highest standards has been recognised by the ISRS. Some clinicians are keen to enter their centre to the certification process in order to accelerate improvements they are keen to implement.

Re-certification is a streamlined and reduced-cost process which, depending on the number of changes to the department since the last inspection, may require as little as a remote video conference and a postal dosimetry audit.

### Contact Us

email: [certification@isrsy.org](mailto:certification@isrsy.org)

<https://www.isrsy.org/en/certification/>





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