



Invitation Advances in Neurosurgical Oncology and Neuro- oncology

27th Meeting of the Austrian Neurosurgical
Oncology Section

19th September 2022, 10:00 am

University Clinic of Dentistry Vienna, Lecture Hall,
Sensengasse 2a, 1090 Vienna

DEPARTMENT OF NEUROSURGERY



MEDICAL UNIVERSITY
OF VIENNA



Vienna Healthcare Group
University Hospital Vienna

Dear colleagues!

We are very delighted to welcome you in Vienna to the 27th Neurosurgical Oncology (ANCO) meeting following the Conference of the European Association of Neuro-Oncology (EANO) after a two-year pandemic-induced break. This year our meeting will focus on “Advances in Neurosurgical Oncology and Neurooncology” and will be divided into four main sessions on gliomas, meningiomas, metastases and new techniques in neurosurgery. We invite participants from all disciplines involved and interested in the management of these challenging topics.

National and international experts from different countries will join our meeting this year. We are very honored that several experts from around the world will give keynotes and invited lectures including Shawn Hervey-Jumper (San Francisco), Felix Sahm (Heidelberg), Gelareh Zadeh (Toronto), Daniel A. Orringer (New York), Amin El-Heliebi (Graz), Anna S. Berghoff-Bergmeister (Vienna), Stefan Wolfsberger (Graz) and Rupert Bartsch (Vienna). Additionally, young colleagues and scientists will also have the possibility to present their work.

Our meeting will provide a great opportunity to update the knowledge as well as discuss innovations and new techniques, exchange ideas, and create new collaborations between young and experienced colleagues of different disciplines. We are looking forward to welcoming you in Vienna for an interesting and exciting day.

Georg Widhalm
Chair ANCO

Karl Rössler
Chair Neurosurgery,
Medical University of Vienna

Programme

10.00 – 10.10 am

Introduction

Georg Widhalm, Chair ANCO

Karl Rössler, Chair Department of Neurosurgery,
Medical University of Vienna/University Hospital Vienna

10.10 – 11.20 am

Session I: Meningiomas

Chairs: Christian Matula, Medical University of Vienna/
University Hospital Vienna

Martin Aichholzer, Johannes Kepler University Linz

Keynote Lectures

Classification of meningiomas with novel molecular markers

Felix Sahm, University Hospital Heidelberg

Management of meningioma patients in the molecular era

Gelareh Zadeh, University of Toronto

The novel “meningioma surface factor” and its correlation with the WHO tumor grade

Branko Popadic, University Hospital St. Pölten

Clinical outcome after resection of intracranial meningiomas in the elderly population

Christoph Schwartz, Christian Doppler Clinic,
Paracelsus Medical University Salzburg

The value of 5-ALA fluorescence for intraoperative detection of residual meningioma tissue

Matthias Millesi, Medical University of Vienna/
University Hospital Vienna

11.20 am – 12.45 pm

Session II: New techniques in neurosurgical oncology

Chairs: Stefan Wolfsberger, Medical University Graz
Georg Widhalm, Medical University of Vienna/University
Hospital Vienna

Keynote Lecture

DeepGlioma: An AI-based method for rapid genetic classification of diffuse gliomas

Daniel A. Orringer, New York University

Invited Lecture

Raman spectroscopy versus 5-ALA fluorescence for surgery of high-grade gliomas

Stefan Wolfsberger, Medical University Graz

Current and future applications of Stimulated Raman Histology to improve brain tumor surgery

Lisa I. Wadiura, Medical University of Vienna/
University Hospital Vienna

Preoperative metabolic imaging of brain tumors – A new approach using 7 Tesla magnetic resonance spectroscopic imaging

Gilbert Hangel, Medical University of Vienna/
University Hospital Vienna

Introduction of a novel head loop device for 5-ALA fluorescence detection

Mario Mischkulnig, Medical University of Vienna/
University Hospital Vienna

Fluorescence lifetime imaging and spectroscopy for brain tumor visualization in neurosurgery

Angelika Unterhuber, Medical University of Vienna/
University Hospital Vienna

PathoDISCO-HE: Ultramicroscopy and fluorescent labelling of glioblastoma multiforme for 3D virtual H&E imaging and improved pathohistological evaluation

James Arthur Oakes, Center for Brain Research, Medical University of Vienna

12.45 – 1.45 pm

Lunch break

1:45 – 3:10 pm

Session III: Gliomas

Chairs: Andreas Gruber, Johannes Kepler University Linz

Karl Rössler, Medical University of Vienna/University Hospital Vienna

Keynote Lecture

Revisiting the surgical management of diffuse glioma in the molecular era

Shawn Hervey-Jumper, University of California, San Francisco

Invited Lecture

Patient-derived cells (PDCs) for ex-vivo drug response studies of gliomas

Amin El-Heliebi, Medical University Graz

Towards precision cancer medicine: personalized zebrafish avatars for high-grade glioma treatment optimization (PECAZA)

Martin Distl, St. Anna Children's Cancer Research Institute, Vienna

Friedrich Erhart, Medical University of Vienna/University Hospital Vienna

Exploring post-surgery changes in circulating oncogenic mutations using plasma of glioma patients

Daniela Lötsch, Medical University of Vienna/University Hospital Vienna

The natural history of diffuse low-grade glioma – Can we predict it? A multiparametric radiomics approach

Philip-Rudolf Rauch, Johannes Kepler University Linz

The impact of minimal stimulus threshold in sub-cortical motor mapping during perirolandic glioma surgery

Stefan Grossauer, Medical University of Vienna/University Hospital Vienna

The value of 5-ALA fluorescence in low-grade gliomas

Arthur Hosmann, Medical University of Vienna/University Hospital Vienna

3:10 – 3:45 pm

Coffee break

3:45 – 4:50 pm

Session IV: Metastases and other CNS tumors

Chairs: Matthias Preusser, Medical University of Vienna/University Hospital Vienna

Anna S. Berghoff-Bergmeister, Medical University of Vienna/University Hospital Vienna

Keynote Lecture

Personalized treatment of brain metastases

Anna S. Berghoff-Bergmeister, Medical University of Vienna/University Hospital Vienna

How to dose-stage large or high-risk brain metastases – An alternative radiosurgical treatment approach

Anna Cho, Medical University of Vienna/University Hospital Vienna

The role of postoperative MRI for detection of unexpected residual metastasis tissue: A national multicenter study

Barbara Kiesel, Medical University of Vienna/University Hospital Vienna

Case report of a glomeruloid hemangioma of the skull and its importance on the early treatment of POEMS Syndrome: an underdiagnosed clinical entity?

Felipe Andres Trivik-Barrientos, Hospital Wiener Neustadt

Invited lecture regarding the recent publication in Nature Medicine

Current and new oncological treatment options in patients with HER2-positive breast cancer with brain metastases

Rupert Bartsch, Medical University of Vienna/University Hospital Vienna

4.50 pm

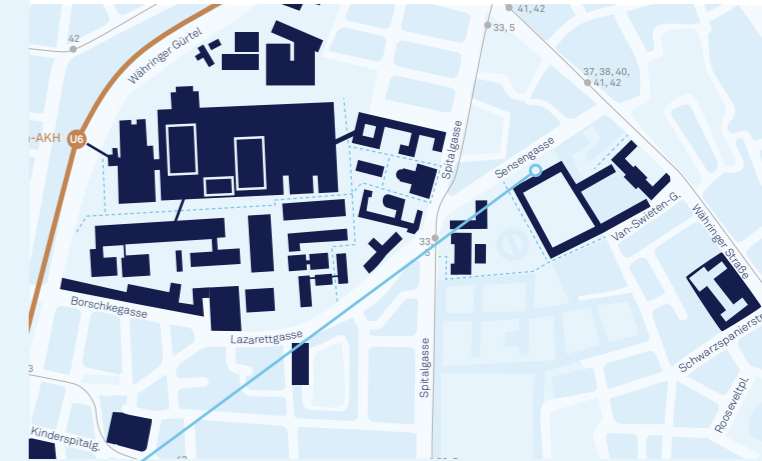
Closing remarks

Georg Widhalm, Chair ANCO



This event will be approved by the Austrian Medical Chamber with 8 DFP-Points.

Please register at:
www.meduniwien.ac.at/ANCO



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In cooperation with



Section Neurosurgical Oncology
Austrian Neurosurgical Society

With the kind support

