



8<sup>th</sup> Meeting of the British Radiosurgery Society  
The Bristol Hotel BS1 4QF  
11<sup>th</sup> & 12<sup>th</sup> January 2024



Platinum Sponsors



Gold Sponsors



8<sup>th</sup> Meeting of the  
British Radiosurgery Society  
The Bristol Hotel, Prince St, Bristol BS1 4QF  
11<sup>th</sup> & 12<sup>th</sup> January 2024

**Programme**

**Day 1, Thursday 11<sup>th</sup> January**

**12.00 Registration and Lunch**

12.30 Welcome and introduction: **Ian Paddick & Matt Williams**

**Session 1: Imaging and Contouring**

**Chair: I Paddick / M Williams**

- 12.35 Invited speaker  
Advanced imaging in SRS  
**Luke Dixon** (TBC)
- 12.55 MR Distortion: Lessons learned over 25 years of MR guided  
SRS  
**Ian Paddick**
- 13.10 Optimal MRI scan interval following stereotactic radiosurgery of  
vestibular schwannomas  
**Alison Cameron**
- 13.20 Comparative Evaluation of AVM contouring systems: iPlan vs  
Elements  
**Paul McGrane**
- 13.30 A deep learning-based tool for auto-segmentation for brain  
metastases radiosurgery  
**Sara Trivellato**
- 13.40 Discussion
- 13.50 Automatic detection and volumetric analysis of brain metastases  
from T1-weighted MRI — a retrospective study  
**Marina Ivory**
- 14.10 The Brats-mets challenge  
**Matt Williams**
- 14.30 Radiosurgery Anomalies  
**Jeremy Ganz**
- 14.50 Discussion

## 15.00      **Coffee Break**

### **Session 2: New Indications in SRS**

**Chair: Julian Cahill / Matthias Radatz**

- 15.30      Invited speaker  
New Indications in functional radiosurgery  
**Roberto Martinez**
- 15.50      Non-commissioned indications  
**Julian Cahill**
- 16.00      Invited speaker  
A phase 2 trial evaluating anti-tumor efficacy of sulfasalazine in combination with gamma knife surgery for recurrent glioblastoma multiforme  
**Bente Skeie**
- 16.20      LINAC-Based STereotactic Arrhythmia Radioablation (STAR) for Paroxysmal Atrial Fibrillation in Elderly: results of the first worldwide prospective phase II trial  
**Alba Fiorentino**
- 16.30      Gamma Knife Surgery for Central Neurocytoma: A Single Centre 32 Year Experience  
**Payman Vahedi**

### **Session 3: How old is too old for a planning MRI?**

**Chair: Alison Cameron / Tania McGreene**

- 16.40      Tumour growth prior to SRS  
**Julian Cahill**
- 16.50      Location of brain mets according to disease type  
**Hamoun Rozati**
- 17.00      Use it or lose it: assessment of patient selection criteria for linac-based SRS treatment with a view to increasing patient throughput  
**Philippa Hackett**
- 17.10      Business meeting
- 17.45      Close
- 18.30      **Meeting Dinner**  
Riverstation, The Grove, Bristol  
<https://www.riverstation.co.uk>

## **Day 2, Friday 12<sup>th</sup> January**

### **Session 4: Motion Management in Frameless SRS**

**Chair: Neil Kitchen / Hamoun Rozati**

- 09.00      First year experience of the world's first clinical Gamma Knife  
Esprit  
**Katharine Hunt**
- 09:10      Commissioning tests to verify the geometric accuracy of the  
Vantage Frame  
**Ian Paddick**
- 09.20      A review of the Intra-fraction SRS Patient Positioning Shifts with  
two different immobilizations using the ExacTrac imaging system  
**Tamil Selvan Kasirajan**
- 09.30      Assessment of the dosimetric impact of intra-fraction motion  
during frameless treatment delivery on Gamma Knife Icon  
**Peter Fallows**
- 09.40      The evolution of our Linac based SRS service at Clatterbridge.  
Rewarding for the patients by giving them back their time.  
**Michelle Forshaw**

### **Session 5: Dosimetry and treatment planning**

**Chair: David Eaton / Lucy Winch**

- 09.50      A lexicographic optimization-based planning for single and  
multiple brain metastasis radiosurgery  
**Sara Trivellato**
- 10.00      Point dose QA: Is it pointless?  
**Kieran Venner**
- 10.10      Results of dose calculation comparison between Tomotherapy  
and cone-based LINAC techniques in stereotactic radiotherapy  
for brain metastases.  
**Claudia Ciraci**
- 10.20      Variations in BED according the platform/treatment delivery time  
**Ian Paddick**
- 10:30      Discussion
- 10.40      **Coffee Break**

### **Session 6: Large Brain Mets: How we do it**

**Chair: Ian Paddick / Matt Williams**

- 11.10      Invited speaker  
"Volume" effects in relation to normal tissue toxicity in  
radiosurgery  
**John Hopewell**
- 11.35      Pre-surgical SRS  
**Hamoun Rozati**
- 11.50      The radiobiology of staged radiosurgery  
**Ian Paddick**
- 12.05      Staged Radiosurgery for Large Brain mets  
**Chris Herbert**
- 12.15      Discussion
- 12.30      Lunch**
- 13.30      Update on NHS Commissioning  
**Matthias Radatz**
- 13.40      Update from the ISRS Certification Service  
**Ian Paddick**

### **Session 7: Sponsored Presentations:**

- 13.50      Novocure
- 14.00      RTsafe: True patient-specific pre-treatment E2E QA in  
radiosurgery. Challenges and added value  
**Evangelos Pappas**
- 14.10      BrainLab: Closing the Gap in Radiosurgery Planning and Delivery  
**David Kynaston**
- 14.20      Zap Surgical: Evolution of Zap-X Gyroscopic Radiosurgery  
system and clinical expansion worldwide  
**David Miles**
- 14.30      Varian: Updates on clinical utilisation of HyperArc high precision  
radiotherapy  
**David James**
- 14.40      Closing Words  
**Ian Paddick & Matt Williams**
- 14.45      Close of meeting