



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

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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: Matthias Radatz / Neil Kitchen**

09.00        First year experience of the world's first clinical Gamma Knife  
Esprit  
**Katherine 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.  
**Rita Marchese**

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  
The radiobiology of radionecrosis  
**John Hopewell (TBC)**

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**

12.20 Discussion

**12.30 Lunch**

13.30 Update on NHS Commissioning

13.40 Update from the ISRS Certification Service  
**Ian Paddick**

**Session 7: Sponsored Presentations:**

13.50 Novocure

14.00 RTsafe

14.10 BrainLab

14.20 Zap Surgical

14.30 Varian (TBC)

14.40 Closing Words  
**Ian Paddick & Matt Williams**

14.45 Close of meeting