



8th Meeting of the British Radiosurgery Society
The Bristol Hotel BS1 4QF

11th & 12th January 2024

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The Bristol Hotel. Prince St, Bristol BS1 4QF
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Programme

Day 1, Thursday 11th 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

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 (online)

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**

Day 2, Friday 12th 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