

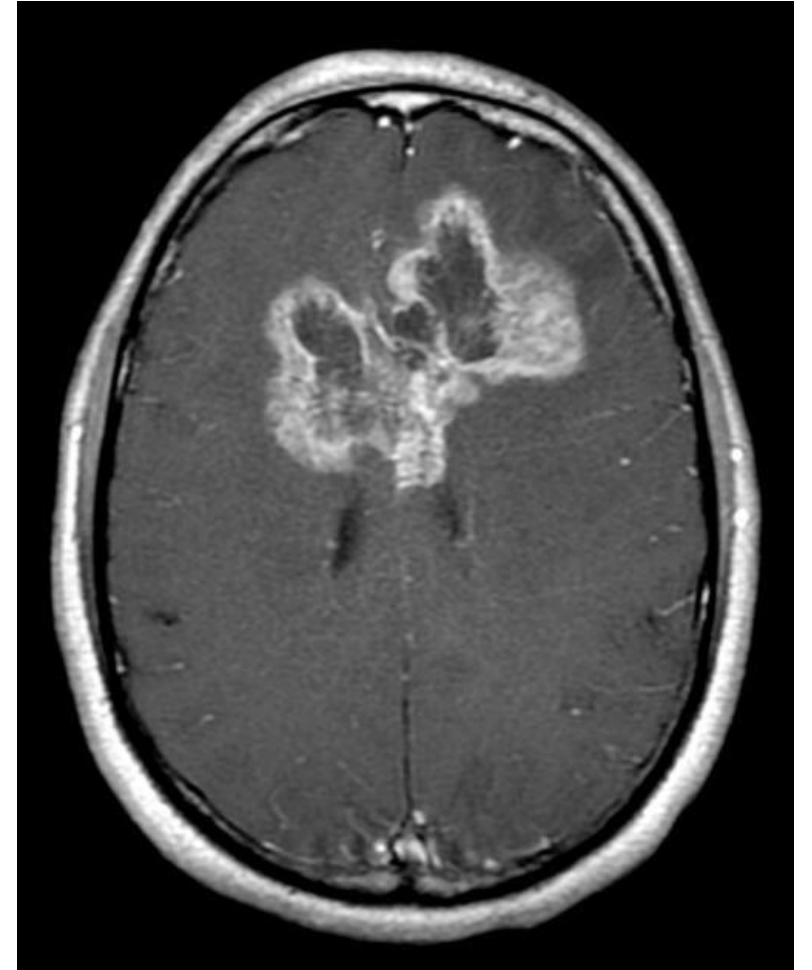
# Setting up subspecialist Neurosurgery in SCAN

By Imran Liaquat,  
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# Rationale for Sub- specialisation in Neurosurgery

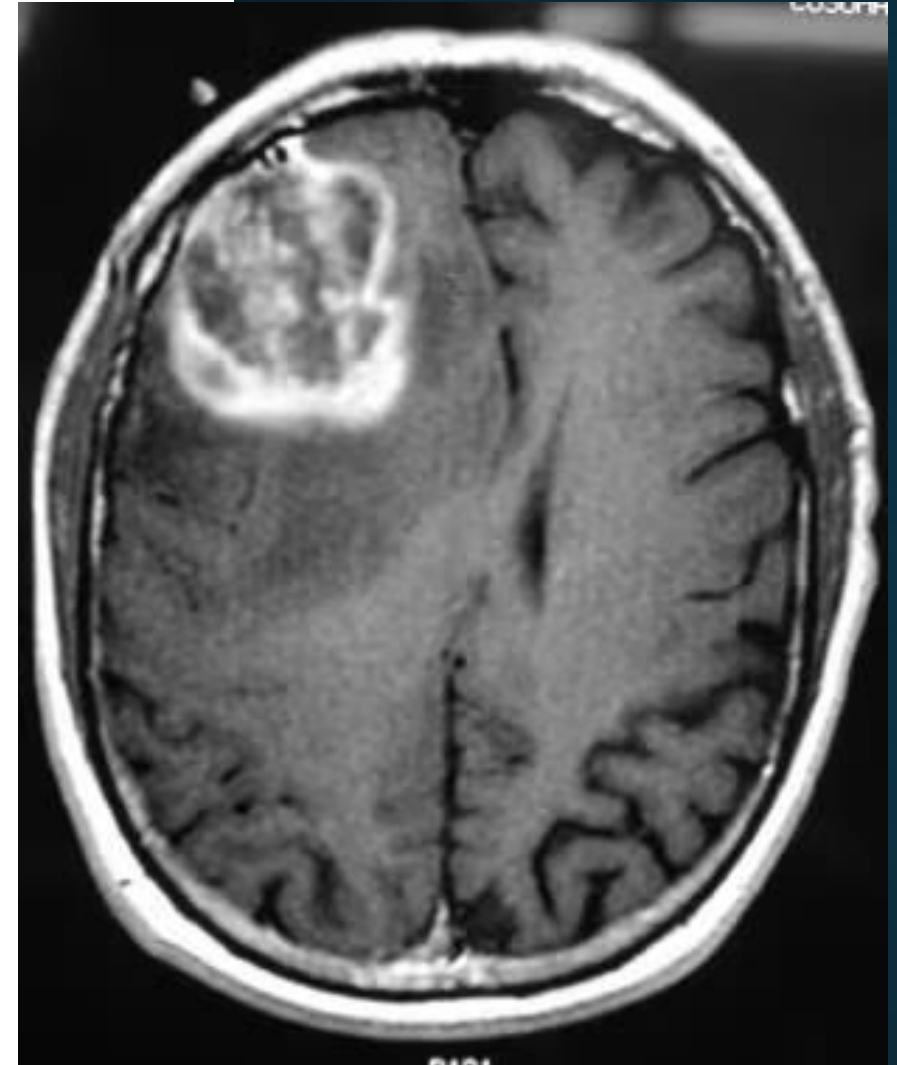
## Service Issues

- Emergency transfers with unscheduled theatre slots
- Biopsies (nihilistic attitudes) when Surgical Resection feasible
- Case selection for treatment – Best Supportive Care rather than biopsy/resection





# Rational for Sub-Specialisation in Neurosurgery

- Back, M et al - *ANNALS-ACADEMY OF MEDICINE SINGAPORE* 36.5 (2007): 347.
- Increased survival in Hospital with MDT/MDC versus on-call pathway
- **18** months versus **11** months
- Guilfoyle British Journal of Cancer 2011
- Better Patient experience if seen through specialist clinic compared to emergency transfer

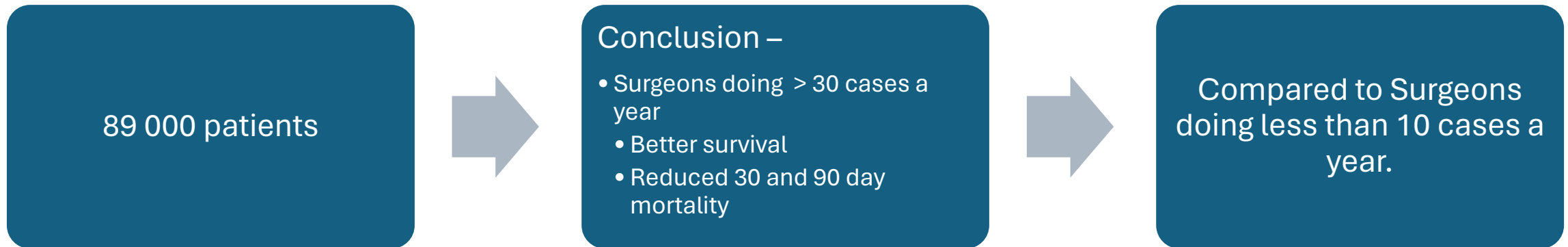


# Surgical Experience/Performance

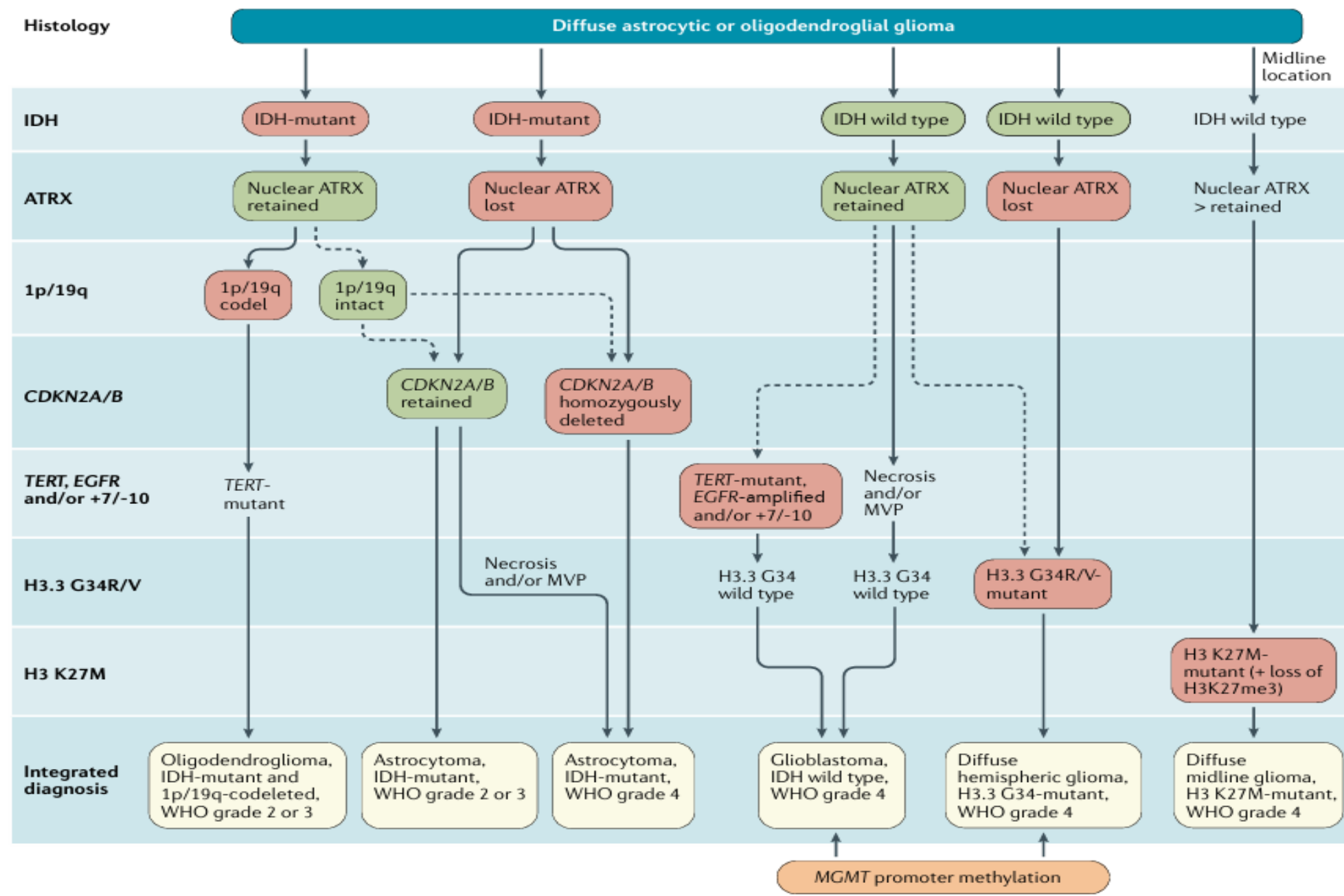
## Impact of academic facility type and volume on post-surgical outcomes following diagnosis of glioblastoma

Alan Hauser<sup>a</sup>, Sunil W. Dutta<sup>a</sup>, Timothy N. Showalter<sup>a</sup>, Jason P. Sheehan<sup>a b</sup>, Surbhi Grover<sup>c</sup>,  
Daniel M. Trifiletti<sup>d</sup>  

J of Clinical Neuroscience - 2018



# EVIDENCE-BASED GUIDELINES



# *Surgical Evolution in Neuro- oncology*

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Pre-evolution – 2016

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120-130 Intrinsic Brain Tumours per annum

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Neuro-oncology Surgeon given– Low Grade Glioma patients/Eloquent Cortex – Awake cases – 20 cases

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Only 1 out of 10 Surgeons had an elective clinic to see Neuro-oncology patients

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Remaining cases went to Oncall Consultants - managed through oncall pathway - >70%

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# Service Reconfiguration

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120-130 Adult surgical cases  
needing scheduled urgent  
care –

- circa 600 theatre hours per annum

Consultant meeting

- 30 cases a year
- One colleague continues to oppose sub-specialisation

4 surgeons selected from a  
group of 12 –

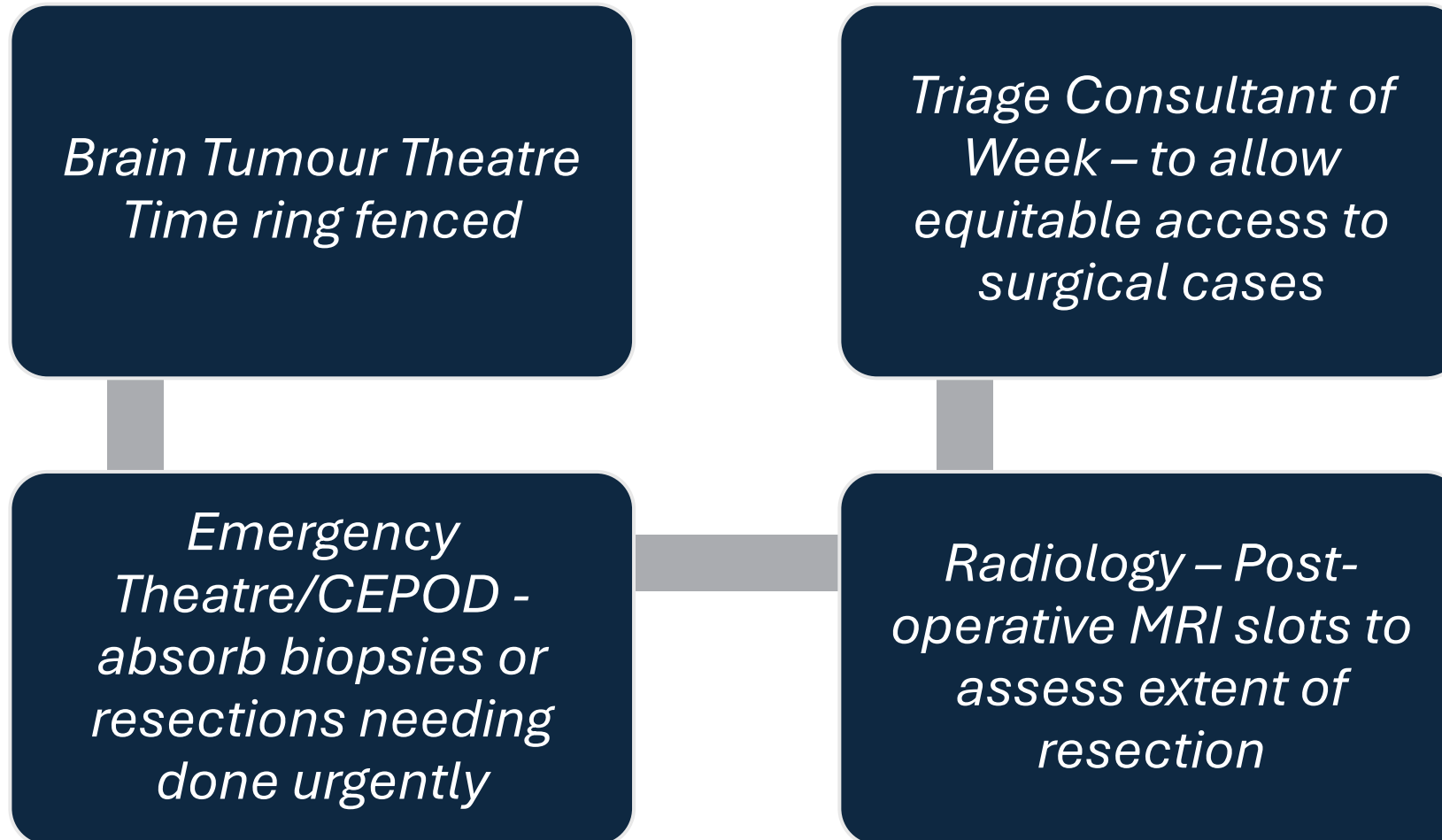
- 2 Adult and 2 Adult/Paediatric
- CPD in Neuro-oncology essential

Job Plans modified to support

- attendance at MDM
- Specialist clinics
- Pre-admission Clinics

# *Surgical Evolution in Neuro-oncology*

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## Impact

40-55% of all cases per annum  
undergo surgical debulking/resection



85 % of patients –Elective  
surgery/clinic pathway



90% discussed at MDM pre-surgical  
intervention (up from 65%)

# Impact -



Median Length of Hospital Stay - 4 days down from 8 days

Select cases 24 hours



Overall Survival 18 months after Resective Surgery – comparable to literature



Better Selection of Redo Surgery Cases – decreased morbidity



Engagement with National QPIs - mortality less than 5%

# Future Aims

- Evaluation of new technologies
- Auditing of Surgical Performance - surgical resection extent/complication rates - National QPIs
- Auditing of Survival data/morbidity data - Butterfly Gliomas
- Review of Theatre and Clinic capacity needs

Thank You!  
Questions

