

[Home](#) [Neurosurgical Review](#) Article


Tuning in: musical resilience in awake craniotomy for brain tumor resection

Correspondence Published: 16 April 2024



Volume 47, article number 157, (2024) [Cite this article](#)

Neurosurgical Review

[Aims and scope](#)[Submit manuscript](#)

[Inibehe Ime Okon](#), [Imshaal Musharaf](#), [Bipin Chaurasia](#) , [Haseeb Mehmood Qadri](#), [Samuel Berchi Kankam](#) & [Don Eliseo Lucero-Prisno III](#)

 33 Accesses [Explore all metrics](#) →

 This is a preview of subscription content, [log in via an institution](#)  to check access.

Access this article

[Log in via an institution](#)[Buy article PDF 39,95 €](#)

Price includes VAT (Italy)

Instant access to the full article PDF.

[Rent this article via DeepDyve](#) [Institutional subscriptions](#) →

Data availability

No datasets were generated or analysed during the current study.

References

1. Penfield WBE (1937) Somatic motor and sensory representation in the cerebral cortex of man as studied by electrical stimulation. *Brain* 60:389–443
[Article](#) [Google Scholar](#)
2. Mamadaliev DM, Saito R, Motomura K, Ohka F, Scalia G, Umana GE, Conti A, Chaurasia B (2024) Awake craniotomy for gliomas in the non-dominant right hemisphere: a Comprehensive Review. *Cancers* 16(6):1161
[Article](#) [PubMed](#) [PubMed Central](#) [Google Scholar](#)
3. Gasenzer ER, Kanat A, Neugebauer EA (2017b) First report of awake craniotomy of a famous musician: suprasellar tumor surgery of pianist Clara Haskil in 1942. *J Neurol Surg Part A: Cent Eur Neurosurg* 78(3): 260–268
[Article](#) [Google Scholar](#)
4. Gaser C, Schlaug G (2003) Brain structures differ between musicians and non-musicians. *J Neurosci* 23(27): 9240–9245
[Article](#) [CAS](#) [PubMed](#) [PubMed Central](#) [Google Scholar](#)
5. Zatorre RJ, Chen JL, Penhune VB (2007) When the brain plays music: auditory-motor interactions in music perception and production. *Nat Rev Neurosci* 8(7):547–558
[Article](#) [CAS](#) [PubMed](#) [Google Scholar](#)
6. Scerrati A, Labanti S, Lofrese G, Mongardi L, Cavallo MA, Ricciardi L, De Bonis P (2020) Artists playing music while undergoing brain surgery: a look into the scientific evidence and the social media perspective. *Clin Neurol Neurosurg* 196:105911
[Article](#) [PubMed](#) [Google Scholar](#)

Acknowledgements

Not applicable.

Funding

The authors received no extramural funding for the study.

Author information

Authors and Affiliations

Department of Neurosurgery, Hospital of the Babcock University, Ilishan-Remo, Ogun State, Nigeria
Inibehe Ime Okon

Department of Neurosurgery, Jinnah Sindh Medical University, Karachi, Pakistan
Imshaal Musharaf

Department of Neurosurgery, Neurosurgery Clinic, Birgunj, Nepal
Bipin Chaurasia

Department of Neurosurgery, Unit-I, Punjab Institute of Neurosciences, Lahore, Pakistan
Haseeb Mehmood Qadri

Department of Neurosurgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA
Samuel Berchi Kankam

Department of Global Health and Development, London School of Hygiene and Tropical Medicine, London, UK
Don Eliseo Lucero-Prisno III

Contributions

All authors have contributed equally in formation of manuscript.

Corresponding author

Correspondence to [Bipin Chaurasia](#).

Ethics declarations

Ethics approval and consent to participate

Not applicable.

Consent for publication

Not applicable.

Competing interests

The authors declare no competing interests.

Additional information

Publisher's Note

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

Rights and permissions

[Reprints and permissions](#)

About this article

Cite this article

Okon, I.I., Musharaf, I., Chaurasia, B. *et al.* Tuning in: musical resilience in awake craniotomy for brain tumor resection. *Neurosurg Rev* **47**, 157 (2024). <https://doi.org/10.1007/s10143-024-02385-1>

Received

24 March 2024

Revised

24 March 2024

Accepted

30 March 2024

Published

16 April 2024

DOI

<https://doi.org/10.1007/s10143-024-02385-1>