



University of Dundee

Exploration of temporal bone anatomy using mixed reality (HoloLens)

Maniam, Pavithran; Schnell, Philipp; Dan, Lilly; Portelli, Rony; Erolin, Caroline; Mountain, Rodney

Published in:
Journal of Visual Communication in Medicine

DOI:
[10.1080/17453054.2019.1671813](https://doi.org/10.1080/17453054.2019.1671813)

Publication date:
2020

Document Version
Peer reviewed version

[Link to publication in Discovery Research Portal](#)

Citation for published version (APA):

Maniam, P., Schnell, P., Dan, L., Portelli, R., Erolin, C., Mountain, R., & Wilkinson, T. (2020). Exploration of temporal bone anatomy using mixed reality (HoloLens): development of a mixed reality anatomy teaching resource prototype. *Journal of Visual Communication in Medicine*, 43(1), 17-26. Advance online publication. <https://doi.org/10.1080/17453054.2019.1671813>

General rights

Copyright and moral rights for the publications made accessible in Discovery Research Portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from Discovery Research Portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain.
- You may freely distribute the URL identifying the publication in the public portal.

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Anatomical Structures	Anatomical Structures with Voice-Over Details
Squamous part of the temporal bone	Cochlea
Zygomatic process	Round window
Articular tubercle	Mastoid auditus
Spine of Henle	Malleus
Petrotympenic fissure	Stapes
External auditory meatus	Eustachian tube
Stylomastoid foramen	Promontory
Internal carotid canal	Incus
Styloid process	Oval window
Mastoid process	Pars flaccida
	Tympanic membrane
	External auditory canal
	Malleolar prominence
	Prussak space