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Study of tonotopic brain changes with functional MRI and FDG-PET in a patient with unilateral objective cochlear tinnitus

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Study of tonotopic brain changes with functional MRI and FDG-1 PET in a patient with unilateral objective cochlear tinnitus. 2 3 A-C Guinchard^a, N. Ghazaleh^b, M. Saenz^{b,c}, E. Fornari^d, J. O. Prior^e, P. Maeder^d, S. 4 Adib^e, R. Maire^a 5 6 7 ^aDepartment of Otorhinolaryngology, Head and Neck Surgery, Lausanne University 8 Hospital, Lausanne, Switzerland. ^bInstitute of Bioengineering, École Polytechnique Fédérale de Lausanne (EPFL), 9 10 Lausanne, Switzerland ^cDepartment of Clinical Neurosciences, Lausanne University Hospital, Lausanne, 11 12 Switzerland ^dDepartment of Radiology, Centre Imagerie Biomédicale, Lausanne University 13 14 Hospital, Lausanne, Switzerland. 15 ^eDepartment of Nuclear Medicine and Molecular Imaging, Lausanne University Hospital, Lausanne, Switzerland. 16 17 18 Corresponding author: Raphael Maire 19 Department of Otorhinolaryngology, Head & Neck Surgery, 20 21 Lausanne University Hospital, Lausanne, Switzerland. 22 raphael.maire@chuv.ch 23 Phone +41 21 314 27 22 / +41 79 556 47 18

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