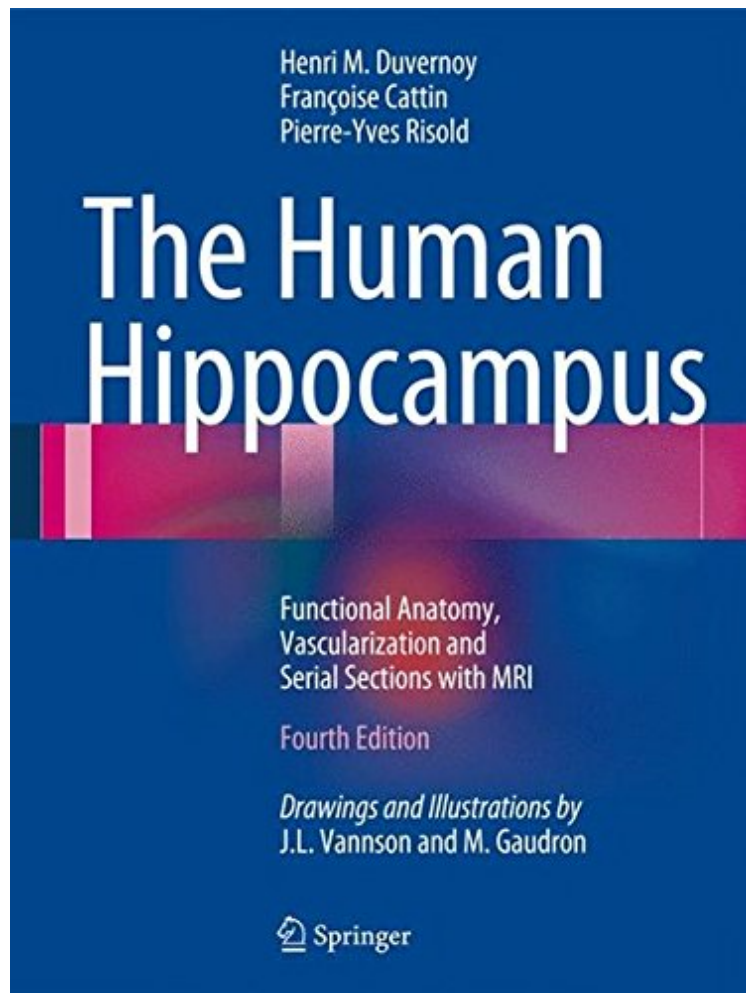


(Ebook free) The Human Hippocampus: Functional Anatomy, Vascularization and Serial Sections with MRI

The Human Hippocampus: Functional Anatomy, Vascularization and Serial Sections with MRI

Henri M. Duvernoy, Françoise Cattin, Pierre-Yves Risold

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0 of 0 people found the following review helpful. Human Hippocampus and its Functional Neuroanatomy By Joseph J Grenier This is a comprehensive atlas and correlated functional anatomy text of CA1-CA3, body, head, and the circuitry along with the vascular supply to this area of the temporal lobe and surrounding structures. These are nice artistic renderings of the human hippocampus through MRI, photographs, postmortem dissections, and histology of the

emotion, memory, and visual regions of the hippocampus. Several different pictures show the true depth and breadth of this vital human structure. The book will be a good addition to the shelves of neuroscientists, epileptologists, neurosurgeons, neurology professionals, and students for a quick comprehensive look at the complexity of the human hippocampus.

This new edition, like previous ones, offers a precise description of the anatomy of the human hippocampus based upon neurosurgical progress and the wealth of medical imaging methods available. The first part describes the fine structures of the hippocampus and is illustrated with new original figures. A survey is then provided of current concepts explaining the functions of the hippocampus, and the external and internal hippocampal vascularization is precisely described. The last and main part of the book presents serial sections in coronal, sagittal, and axial planes; each section is accompanied by a drawing to explain the MR 3T images. The new edition is also enriched by several MRI views of major hippocampal diseases. This comprehensive atlas of human hippocampal anatomy will be of interest to all neuroscientists, including neurosurgeons, neuroradiologists, and neurologists.

From the book reviews: This is a comprehensive atlas and correlated functional anatomy text of CA1-CA3, body, head, and the circuitry along with the vascular supply to this area of the temporal lobe and surrounding structures. The book will be a good addition to the shelves of neuroscientists, epileptologists, neurosurgeons, neurology professionals, and students for a quick comprehensive look at the complexity of the human hippocampus. (Joseph J. Grenier, .com, March, 2015)

From the Back Cover This new edition, like previous ones, offers a precise description of the anatomy of the human hippocampus based upon neurosurgical progress and the wealth of medical imaging methods available. The first part describes the fine structures of the hippocampus and is illustrated with new original figures. A survey is then provided of current concepts explaining the functions of the hippocampus, and the external and internal hippocampal vascularization is precisely described. The last and main part of the book presents serial sections in coronal, sagittal, and axial planes; each section is accompanied by a drawing to explain the MR 3T images. The new edition is also enriched by several MRI views of major hippocampal diseases. This comprehensive atlas of human hippocampal anatomy will be of interest to all neuroscientists, including neurosurgeons, neuroradiologists, and neurologists.

About the Author Henri M. Duvernoy has had a distinguished career in the field, working as a Professor of Anatomy until 1999, since which time he has been Emeritus Professor at the University of Franche-Comté, Besançon, France. He has been the author of numerous publications over several decades, and has published a number of previous books with Springer, including *The Superficial Veins of the Human Brain* (1975), *The Human Brain Stem and Cerebellum* (1995), *The Human Hippocampus Functional Anatomy: Vascularization and Serial Sections with MRI*, 3rd edn (2005) and *Duvernoy's Atlas of the Human Brain Stem and Cerebellum* (2009; co-authored with T.P. Naidich and others).

Françoise Cattin completed her medical thesis in 1980 and since 1986 has worked at CHU Besançon, France. In 1996-7 she completed a Visiting Professorship at Montreal Neurological Hospital, McGill University, Canada. Her memberships include the Société Française de Neuroradiologie, the Société Française de Radiologie, and the Société européenne de Neuroradiologie. Dr. Cattin is the author of a number of articles in peer-reviewed journals and has co-authored or co-edited several previous books, including *Computed Tomography of the Pituitary Gland* (Springer, 1986) and three editions of *Echo-Doppler des artères carotides et vertebrales: aspects pratiques* (Masson).

Pierre-Yves Risold completed his PhD thesis at the Histology Laboratory, Faculté de Médecine et de Pharmacie, Université de Franche-Comté, Besançon in 1991. He subsequently performed postdoctoral studies at the University of Southern California, Los Angeles, in the course of which he analyzed the anatomical relationships of the hippocampus with the septum and hypothalamus. As CR1 INSERM he returned to the Histology Laboratory (EA 3922) in Besançon in 1997. Dr. Risold is a member of the Société de Neuroendocrinologie and Société des Neurosciences. He has published more than 50 articles in peer-reviewed journals as well as several book chapters.