

Manubrium

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The manubrium or manubrium sterni is the broad, upper part of the sternum. With a quadrangular shape, wider superiorly and narrower inferiorly, it articulates with the clavicles and the first two ribs. ([From the Wikipedia article Manubrium](#).)

Recent Publications on Manubrium:



- [Morphological and genetical description of *Loma psittaca* sp. n. isolated from the Amazonian fish species *Colomesus psittacus*.](#)
*A previously unrecognised fish-infecting microsporidia (Loma psittaca n....*18th November, 2009
Department of Cell Biology, Institute of Biomedical Sciences, University- Parasitol Res. 2009
Oct;105(5):1261-71. Epub 2009 Jul 11. ([DOI Direct Link](#))
- [Motion of the Tympanic Membrane after Cartilage Tympanoplasty Determined by Stroboscopic Holography.](#)
*Stroboscopic holography was used to quantify dynamic deformations of the...*17th November, 2009
Eaton-Peabody Laboratory, Massachusetts Eye and Ear Infirmary, Boston, MA;- Hear Res. 2009 Nov
9. ([DOI Direct Link](#))
- [Anterior approach to disc herniation with modified anterior microforaminotomy at C7-T2: technical note.](#)
*STUDY DESIGN: An easy surgical method to reach C7-Th and T1-T2 foraminal...*17th November, 2009
Department of Neurosurgery, VKV American Hospital, Istanbul, Turkey.- Spine (Phila Pa 1976). 2009
Aug 1;34(17):1879-83. ([DOI Direct Link](#))
- [An asymptomatic young woman with abnormal manubrium sterni: diagnosis and discussion.](#)
*BACKGROUND: Malpositioning of the endotracheal tube within the airway...*6th November, 2009
Department of Radiology, Seoul St. Mary's Hospital, College of Medicine,- Skeletal Radiol. 2009
Oct;38(10):1009, 1027. ([DOI Direct Link](#))
- [A sum of simple and complex motions on the eardrum and manubrium in gerbil.](#)
*Based on comparisons of ear canal and scala vestibuli pressures the gerbil...*3rd November, 2009
Columbia University, 630 West 168th Street, New York, NY 10032, USA.- Hear Res. 2009 Oct 28. ([DOI Direct Link](#))
- [Modification of the ventral approach to the caudal cervical spine by resection of the manubrium in a dog.](#)
*A five-year-old neutered female Bassett Hound weighing 29 kg was presented...*31st October, 2009
Mr. Mark Bush, MA VetMB, CertSAS, MRCVS, Southern Counties Veterinary- Vet Comp Orthop
Traumatol. 2009;22(6):514-6. Epub 2009 Oct 29. ([DOI Direct Link](#))
- [The management of thoracic inlet syndrome associated with Hurler's syndrome: a novel surgical technique.](#)

- A 21-year-old male developed significant swelling of his tongue after a...30th October, 2009*
Department of Cardiothoracic Surgery, Our Lady's Children's Hospital,- Eur J Cardiothorac Surg. 2009 Oct 26. ([DOI Direct Link](#))
- [Tympanic Membrane Boundary Deformations Derived from Static Displacements Observed with Computerized Tomography in Human and Gerbil.](#)
The middle ear is too complex a system for its function to be fully...17th October, 2009
Biomedical Physics, University of Antwerp, Groenenborgerlaan 171, 2020,- J Assoc Res Otolaryngol. 2009 Oct 16. ([DOI Direct Link](#))
 - [Middle Ear Mechanics of Cartilage Tympanoplasty Evaluated by Laser Holography and Vibrometry.](#)
GOALS:: To assess the effects of thickness and position of cartilage used...26th September, 2009
*Eaton-Peabody Laboratory, Massachusetts Eye and Ear Infirmary;- Otol Neurotol. 2009 Sep 24. ([DOI Direct Link](#))
 - [Quantification of tympanic membrane elasticity parameters from in situ point indentation measurements: Validation and preliminary study.](#)
Correct quantitative parameters to describe tympanic membrane elasticity...26th September, 2009
Laboratory of Biomedical Physics, University of Antwerp, Groenenborgerlaan- Hear Res. 2009 Sep 22. ([DOI Direct Link](#))
 - [Bedside prediction of airway length in adults and children.](#)
BACKGROUND: Malpositioning of the endotracheal tube within the airway...18th September, 2009
Department of Anesthesiology, Kyung Hee University, East-West Neo Medical- Anesthesiology. 2009 Sep;111(3):556-60. ([DOI Direct Link](#))
 - [Tympanum-canal angles anteriorly, anteroinferiorly, and inferiorly: a postmortem study of 41 adult crania.](#)
The angles formed by the tympanic membrane and the external ear canal...15th September, 2009
Department of Otolaryngology-Head and Neck Surgery, Emory University- Ear Nose Throat J. 2009 Sep;88(9):E22-7.
 - [Management of traumatic manubriosternal dislocation in children.](#)
STUDY DESIGN: An easy surgical method to reach C7-Th and T1-T2 foraminal...31st July, 2009
- J Thorac Cardiovasc Surg. 2009 Aug;138(2):517-8; author reply 518. ([DOI Direct Link](#))
 - [Surgery in the cervicothoracic junction with an anterior low suprasternal approach alone or combined with manubriotomy and sternotomy: an approach selection method based on the cervicothoracic angle.](#)
OBJECT: The authors propose an easy MR imaging method to measure and...25th July, 2009
Department of Spine Surgery, First Affiliated Hospital of Wenzhou Medical- J Neurosurg Spine. 2009 Jun;10(6):531-42. ([DOI Direct Link](#))
 - [Primary tubercular osteomyelitis of the sternum.](#)
Primary tuberculous osteomyelitis of the sternum is a rare clinical...16th June, 2009
Department of Medicine, Kottayam Medical College, Kerala 686008, South- Int J Infect Dis. 2009 Jun 11. ([DOI Direct Link](#))

Manubrium Patents:



- 6488621- [Surgical support apparatus with splined coupling, cross bar support and head-to-toe extension for surgical retractor apparatus](#)
- 6668834- [Anti-snoring apparatus](#)

- 6689053- [IMA surgical retractor system](#)
- 6721978- [Head bed](#)
- 6730015- [Flexible transducer supports](#)
- 6755778- [Method and apparatus for reduced feedback in implantable hearing assistance systems](#)
- 6761726- [Method and apparatus for the intraosseous introduction of a device such as an infusion tube](#)
- 6762336- [Hemostatic sandwich bandage](#)
- 6875166- [Method for creating a coupling between a device and an ear structure in an implantable hearing assistance device](#)
- 6893459- [Heart valve annulus device and method of using same](#)
- 6949105- [Method and apparatus for stereotactic implantation](#)
- 6663575- [Device for electromechanical stimulation and testing of hearing](#)
- 6620093- [Device for pre-operative demonstration of implantable hearing systems](#)
- 6491722- [Dual path implantable hearing assistance device](#)
- 6496720- [Process for sensing and analyzing electrical activity of the human heart utilizing one lead system with an egg monitor designed for use with another lead system](#)
- 6497683- [System for holding an indwelling catheter](#)
- 6506164- [Device for electromechanical stimulation and testing of hearing](#)
- 6518063- [Osf2/Cbfa1 nucleic acids and methods of use therefor](#)
- 6540662- [Method and apparatus for reduced feedback in implantable hearing assistance systems](#)
- 6549800- [Methods for in vivo magnetic resonance imaging](#)
- 6572543- [Sensor, method of sensor implant and system for treatment of respiratory disorders](#)
- 6585637- [Method and apparatus for fixation type feedback reduction in implantable hearing assistance systems](#)
- 6592513- [Method for creating a coupling between a device and an ear structure in an implantable hearing assistance device](#)
- 6969350- [Body fat measurement system](#)
- 6969366- [Hands-free chin lift and airway support device](#)
- 7011837- [Isolated species of steinernematid nematode and methods of white grub control therewith](#)
- 7347840- [Patch for locating a target zone for penetration](#)
- 7361179- [Sternal closure device and method](#)
- 7416536- [Chest vibrating device](#)
- 7421087- [Transducer for electromagnetic hearing devices](#)
- 7444177- [EKG recording accessory system \(EKG RAS\)](#)
- 7483545- [Acoustic diaphragm](#)
- 7503898- [Methods of and apparatus for monitoring heart motions](#)
- 7524278- [Hearing aid system and transducer with hermetically sealed housing](#)
- 7569018- [Apparatus and method for noninvasively detecting the quality of cardiac pumping](#)
- 7578532- [Multi-use linkage device](#)
- 7347695- [Chronic obstructive pulmonary disease simulator](#)
- 7297101- [Method and apparatus for minimally invasive placement of sensing and driver assemblies to improve hearing loss](#)
- 7014859- [Entomopathogenic nematode for control of insect pests](#)
- 7033377- [Surgical device for capturing, positioning and aligning portions of a severed human sternum](#)
- 7052499- [Method and apparatus for bone fracture fixation](#)
- 7055908- [Extended interfaced, under and around chin, head support system for resting while sitting](#)
- 7141026- [Body movement monitoring system and method](#)
- 7164360- [Multi-use linkage device](#)
- 7164938- [Optical noninvasive vital sign monitor](#)
- 7179262- [Method and apparatus for stereotactic implantation](#)
- 7280873- [Treatment of oropharyngeal disorders by application of neuromuscular electrical stimulation](#)
- 7286865- [EKG recording accessory system \(EKG RAS\)](#)
- 7582089- [Multi-use linkage device](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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