

Vascular Capacitance

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Recent Publications on Vascular Capacitance:

- [Limb venous tone and responsiveness in hypertensive humans.](#)
*Hypertensive (HTN) animal models demonstrate lower venous compliance as...*4th October, 2008
Department of Health, Nutrition and Exercise Sciences, University of- J Appl Physiol. 2008 Sep;105(3):894-901. Epub 2008 Jul 17. ([DOI Direct Link](#))
- [Lower capacitance response and capillary fluid absorption in women to defend central blood volume in response to acute hypovolemic circulatory stress.](#)
*Acute hemorrhage is a leading cause of death in trauma, and women are more...*26th September, 2008
Div. of Cardiovascular Medicine/Physiology, Dept. of Medical and Health- Am J Physiol Heart Circ Physiol. 2008 Aug;295(2):H867-73. Epub 2008 Jun ([DOI Direct Link](#))
- [Altered mesenteric venous capacitance and volume pooling in cirrhotic rats are mediated by nitric oxide.](#)
*In cirrhosis, despite augmented blood volume, effective circulating volume...*26th September, 2008
Liver Unit, Gastrointestinal Research Group, Calgary, Alberta, Canada.- Am J Physiol Gastrointest Liver Physiol. 2008 Aug;295(2):G252-9. Epub 2008 ([DOI Direct Link](#))
- [\[Baroreflexes originated in vertebral artery zones upon peripheral vein tonus, systemic arterial blood pressure, and external respiration\]](#)
*The investigation was intended to study the role of baroreceptors...*16th September, 2008
- Ross Fiziol Zh Im I M Sechenova. 2008 Jun;94(6):661-9.
- [The relation between venous reserve capacity and low plasma volume.](#)
*OBJECTIVE: Prepregnant low plasma volume (LPV) is associated with...*30th August, 2008
Department of Obstetrics and Gynecology, Radboud University of Nijmegen- Reprod Sci. 2008 Jul;15(6):604-12. ([DOI Direct Link](#))
- [Effects of interpregnancy interval on blood pressure in consecutive pregnancies.](#)
*The lower risk of preeclampsia observed in parous women has prompted a...*22nd August, 2008
Epidemiology Branch, National Institute of Child Health and Human- Am J Epidemiol. 2008 Aug 15;168(4):422-6. Epub 2008 May 20. ([DOI Direct Link](#))
- [The cross-bridge dynamics during ventricular contraction predicted by coupling the cardiac cell model with a circulation model.](#)
*The force-velocity (F-V) relationship of filament sliding is traditionally...*13th August, 2008
Cell/Biodynamics Simulation Project, Kyoto University, Kyoto, Japan.- J Physiol Sci. 2007 Oct;57(5):275-85. Epub 2007 Oct 10. ([DOI Direct Link](#))
- [Effects of gastric distension on the cardiovascular system in rainbow trout \(*Oncorhynchus mykiss*\).](#)
*When animals feed, blood flow to the gastrointestinal tract increases to...*19th June, 2008
Department of Zoology, Goteborg University Goteborg, Sweden.- Am J Physiol Regul Integr Comp

- Physiol. 2008 May;294(5):R1648-56. Epub ([DOI Direct Link](#))
- [WISE-2005: tibial and gastrocnemius vein and calf tissue response to LBNP after a 60-day bed rest with and without countermeasures.](#)
The objective of this study was to quantify by echography the changes in... 18th June, 2008
 EFMP-UMPS, CHU- J Appl Physiol. 2008 Apr;104(4):938-43. Epub 2008 Jan 17. ([DOI Direct Link](#))
 - [The venous circulation: a piscine perspective.](#)
Vascular capacitance describes the pressure-volume relationship of the... 30th May, 2008
 Department of Zoology, Goteborg University, Box 463, S-405 30 Gothenburg,- Comp Biochem Physiol A Mol Integr Physiol. 2007 Dec;148(4):785-801. Epub ([DOI Direct Link](#))
 - [Venous function and central venous pressure: a physiologic story.](#)
The veins contain approximately 70% of total blood volume and are 30 times... 12th April, 2008
 Department of Anesthesiology, Perioperative and Pain Medicine, Brigham and- Anesthesiology. 2008 Apr;108(4):735-48. ([DOI Direct Link](#))
 - [The relationship between vascular expansion of the aorta and pulmonary artery and the genesis of the impedance cardiogram using the technique of sonomicrometry.](#)
PRIMARY OBJECTIVE: This prospective animal study aims to evaluate the... 2nd April, 2008
 Department of Anesthesiology, University of Virginia Health Sciences, P O- J Med Eng Technol. 2007 Nov-Dec;31(6):419-27. ([DOI Direct Link](#))
 - [Decreased capillary filtration but maintained venous compliance in the lower limb of aging women.](#)
There are sex-related differences in venous compliance and capillary... 1st February, 2008
 Division of Physiology, Department of Medicine and Care, University- Am J Physiol Heart Circ Physiol. 2007 Dec;293(6):H3568-74. Epub 2007 Sep ([DOI Direct Link](#))
 - [Effects of freshwater and saltwater adaptation and dietary salt on fluid compartments, blood pressure, and venous capacitance in trout.](#)
Trout are of interest in defining the relationship between fluid and salt... 11th January, 2008
 Indiana Univ. School of Medicine -South Bend, 1234 Notre Dame Ave., South- Am J Physiol Regul Integr Comp Physiol. 2008 Mar;294(3):R1061-7. Epub 2008 ([DOI Direct Link](#))
 - [Gingival blood flow in periodontitis patients before and after periodontal surgery assessed in smokers and non-smokers.](#)
BACKGROUND: The aim of this study was to evaluate the gingival blood flow... 30th October, 2007
 Department of Oral Biology, Faculty of Dentistry, University of Oslo,- J Periodontol. 2007 Sep;78(9):1774-82. ([DOI Direct Link](#))

BioNews Results for Vascular Capacitance

- [Open Surgical Repair of Descending Thoracic Aortic Aneurysms in the Endovascular Era: A 9-Year Single-Center S](#)
MDLinx: Oct 4 2008 2:52AM Matching: vascular
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KMPH Fox 26: Oct 4 2008 2:09AM Matching: vascular
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- News-Journal: Oct 4 2008 5:33AM Matching: vascular*
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 - [Urine Samples Could Reveal Breast Cancer Risk](#)
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Forbes.com: Oct 3 2008 6:41PM Matching: vascular
 - [Research and Markets: Abbott Laboratories Medical Equipment Company Share Analysis Report Provides an Analysis](#)
TradingMarkets: Oct 3 2008 6:25PM Matching: vascular
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 - [Oxigene Announces Strategic Collaboration With Symphony Capital](#)
Pharma Live: Oct 3 2008 3:55PM Matching: vascular
 - [Bevacizumab treatment for cancer patients with cardiovascular disease](#)
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Vascular Capacitance Patents:



- 7407486- [Method and an apparatus for pulse plethysmograph based detection of nociception during anesthesia or sedation](#)
- 6262095- [Use of tricyclic derivatives of 1,4-dihydro-1,4-dioxo-1H-naphthalene, novel compounds obtained and their application in therapy](#)
- 5265615- [Method and apparatus for continuous measurement of cardiac output and SVR](#)
- 5103828- [System for therapeutic management of hemodynamic state of patient](#)
- 5014715- [Device for measuring the impedance to flow of a natural or prosthetic vessel in a living body](#)

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