

## Weightlessness Countermeasures

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### Recent Publications on Weightlessness Countermeasures:



- [Plantar stimulation as a possible countermeasure to microgravity-induced neuromotor degradation.](#)  
*Since the early days of human spaceflight it has been reported that...*1st October, 2008  
Laboratory of Integrated Physiology, Department of Health and Human- Aviat Space Environ Med.  
2008 Aug;79(8):787-94.
- [Human health and performance for long-duration spaceflight.](#)  
*Future long-duration spaceflights are now being planned to the Moon and...*23rd July, 2008  
- Aviat Space Environ Med. 2008 Jun;79(6):629-35.
- [Albuterol and exercise effects on ankle extensor strength during 40 days of unloading.](#)  
*INTRODUCTION: In-flight ankle extensor (AEXT) strength losses are an...*23rd July, 2008  
Exercise and Sports Science Program, The University of Tulsa, Tulsa OK,- Aviat Space Environ Med.  
2008 Jun;79(6):577-84.
- [Inspiratory resistance, cerebral blood flow velocity, and symptoms of acute hypotension.](#)  
*INTRODUCTION: Symptoms of orthostatic intolerance, e.g., following...*23rd July, 2008  
U.S. Army Institute of Surgical Research, Fort Sam Houston, TX 78234, USA.- Aviat Space Environ  
Med. 2008 Jun;79(6):557-64.
- [WISE-2005: orthostatic tolerance is poorly predicted by acute changes in cardiovascular variables.](#)  
*Twenty-four (24) healthy women from 25-40 years of age underwent...*24th April, 2008  
Cardiorespiratory & Vascular Dynamics Lab, Univ. Waterloo, Waterloo,- J Gravit Physiol. 2007  
Jul;14(1):P63-4.
- [WISE 2005: altered cerebrovascular autoregulation after 60 day head-down bed rest.](#)  
*We tested the hypothesis that 60 days of head-down bed rest (HDBR) would...*24th April, 2008  
Cardiorespiratory & Vascular Dynamics Lab, Univ. Waterloo, Waterloo,- J Gravit Physiol. 2007  
Jul;14(1):P61-2.
- [Tibial and gastrocnemian vein response to LBNP after a 60 day bedrest with and without counter-measures \(WISE study\).](#)  
*The objective was to quantify calf vein cross section area (CSA) maximal...*24th April, 2008  
UMPS Unit Med Physiol spatiale, Univ-CHU Tours, France.- J Gravit Physiol. 2007 Jul;14(1):P57-8.
- [WISE 2005: flow and nitroglycerin mediated dilation following 56 days of head down tilt bed rest with and without an exercise countermeasure.](#)  
*This investigation set out to determine the effect of 56 days of head-down...*24th April, 2008  
Cardiorespiratory & Vascular Dynamics Lab, Univ. Waterloo, Waterloo,- J Gravit Physiol. 2007  
Jul;14(1):P55-6.
- [WISE 2005: vascular responses to 60-day bed rest in women.](#)

- WISE-2005 studied 24 women during a 60-day head down bed rest (HDBR) who...*24th April, 2008  
Cardiorespiratory & Vascular Dynamics Lab, Univ. Waterloo, Waterloo,- J Gravit Physiol. 2007 Jul;14(1):P53-4.
- [Arterial and venous response to Tilt with LBNP test after a 60 day HDT bedrest \(WISE study\).](#)  
*The objective was to quantify the Cerebral, and Femoral arterial...*24th April, 2008  
UMPS: Med Physiol spatiale, Univ-CHU Trousseau, Tours, France.- J Gravit Physiol. 2007 Jul;14(1):P47-8.
  - [Short radius intermittent centrifugation as a countermeasure to bed-rest and 0-G deconditioning: IMAG pilot study summary and recommendations for research.](#)  
*Head down bed-rest for 21 days was used as a ground analog of space flight...*24th April, 2008  
Massachusetts Institute of Technology, Man-Vehicle Lab, 37-219, Cambridge,- J Gravit Physiol. 2007 Jul;14(1):P31-3.
  - [Artificial gravity as a multi-system countermeasure: effects on cognitive function.](#)  
*The Space Flight Cognitive Assessment Tool for Windows (WinSCAT) is used...*24th April, 2008  
UTMB, 1290 Hercules- J Gravit Physiol. 2007 Jul;14(1):P27-30.
  - [Monitoring immune system function and reactivation of latent viruses in the Artificial Gravity Pilot Study.](#)  
*Numerous studies have indicated that dysregulation of the immune system...*24th April, 2008  
Enterprise Advisory Services, Inc. 6671 SW Freeway, Houston, TX, USA.- J Gravit Physiol. 2007 Jul;14(1):P21-5.
  - [Gender differences in cardiovascular tolerance to short radius centrifugation.](#)  
*In preparing for the NASA Artificial Gravity Pilot Study the planned...*24th April, 2008  
University College London, Gower Street, London, WC1E 6BT, UK.- J Gravit Physiol. 2007 Jul;14(1):P15-9.
  - [Medical monitoring during the NASA Artificial Gravity-Bed Rest Pilot Study.](#)  
*The NASA artificial gravity-bed rest pilot study (AGPS) was designed to...*24th April, 2008  
University of Texas Medical Branch, 301 University Boulevard, Galveston,- J Gravit Physiol. 2007 Jul;14(1):P9-13.

## BioNews Results for Weightlessness Countermeasures

- [NIAID Announces 25 New Awards to Develop Radiation Countermeasures](#)  
*NIAID: Oct 7 2008 9:10PM Matching: countermeasures*
- [PharmAthene Anthrax Antibody & Nerve Agent Treatment Data Presented at BARDA Conference](#)  
*Pharma Live: Sep 24 2008 6:44PM Matching: countermeasures*
- [PharmAthene Presents Data for Protexia and Valortim at 2008 BARDA Industry Conference / PHEMCE Stakeholders Wo](#)  
*Pharma Live: Sep 24 2008 2:19PM Matching: countermeasures*
- [Plant antioxidant may protect against radiation exposure](#)  
*Genetic Engineering News: Sep 24 2008 6:34AM Matching: countermeasures*
- [Wine Compound May Protect Against Radiation Exposure](#)  
*WWLP.com: Sep 24 2008 2:42AM Matching: countermeasures*
- [Plant antioxidant may protect against radiation exposure](#)  
*Genetic Engineering News: Sep 23 2008 11:10PM Matching: countermeasures*
- [Wine Compound May Protect Against Radiation Exposure](#)  
*KLFY: Sep 23 2008 10:04PM Matching: countermeasures*
- [Cellerant Therapeutics Awarded \\$13.5 Million Contract for Treatment of Acute Radiation Syndrome from the Biome](#)  
*Pharma Live: Sep 22 2008 11:24PM Matching: countermeasures*

- [PharmAthene to Present Data for Protexia\(R\) and Valortim\(R\) at HHS PHEMCE Stakeholders Workshop 2008](#)  
*KSLA: Sep 19 2008 2:27AM Matching: countermeasures*
- [PharmAthene to Present Data for Protexia\(R\) and Valortim\(R\) at HHS PHEMCE Stakeholders Workshop 2008](#)  
*KOTA Territory News: Sep 18 2008 11:28PM Matching: countermeasures*
- [PharmAthene to Present Data for Protexia and Valortim at HHS PHEMCE Stakeholders Workshop 2008](#)  
*Pharma Live: Sep 18 2008 4:50PM Matching: countermeasures*
- [SIGA Technologies to Attend the HHS Public Health Emergency Medical Countermeasures Enterprise Stakeholders Wo](#)  
*Pharma Live: Sep 19 2008 3:57AM Matching: countermeasures*
- [Mystic Pharmaceuticals CEO To Present At HHS BARDA Public Health Emergency Medical Countermeasures Workshop](#)  
*DiGiTAL50: Sep 15 2008 5:43PM Matching: countermeasures*
- [Mystic Pharmaceuticals CEO to Present At HHS BARDA Public Health Emergency Medical Countermeasures Workshop](#)  
*Pharma Live: Sep 15 2008 10:17PM Matching: countermeasures*
- [Mystic Pharmaceuticals CEO To Present At HHS BARDA Public Health Emergency Medical Countermeasures Workshop](#)  
*Genetic Engineering News: Sep 15 2008 11:59AM Matching: countermeasures*

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