

# Bioprosthesis

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## Recent Publications on Bioprosthesis:



- [Current balloon-expandable transcatheter heart valve and delivery systems.](#)  
*Objectives: Transcatheter valve and valve delivery systems are undergoing...*4th November, 2009  
Department of Cardiology, St. Paul's Hospital, Vancouver, British- Catheter Cardiovasc Interv. 2009 Sep 24. ([DOI Direct Link](#))
- [Feasibility of cardiovascular magnetic resonance to assess the orifice area of aortic bioprostheses.](#)  
*BACKGROUND: Prosthetic orifice area, usually calculated by transthoracic...*29th October, 2009  
Franz-Volhard-Klinik for Cardiology, HELIOS Klinikum Berlin Buch,- Circ Cardiovasc Imaging. 2009 Sep;2(5):397-404, 2 p following 404. Epub ([DOI Direct Link](#))
- [Echocardiographic and macroscopic images: aortic cusp laceration.](#)  
*BACKGROUND: Prosthetic orifice area, usually calculated by transthoracic...*29th October, 2009  
Department of Heart and Great Vessels Attilio Reale, Sapienza University- Circ Cardiovasc Imaging. 2009 Sep;2(5):e32-3. ([DOI Direct Link](#))
- [Pathogen burden in degenerative aortic valves is associated with inflammatory and immune reactions.](#)  
*BACKGROUND AND AIM OF THE STUDY: The presence of five pathogens was...*27th October, 2009  
Department of Internal Medicine II - Cardiology, University of Bonn, Bonn,- J Heart Valve Dis. 2009 Jul;18(4):411-7.
- [Aortic valve-in-valve implantation: impact of transcatheter- bioprosthesis size mismatch.](#)  
*BACKGROUND AND AIM OF THE STUDY: Transcatheter aortic valves (TAVs)...*27th October, 2009  
Department of Surgery, University of California at San Francisco Medical- J Heart Valve Dis. 2009 Jul;18(4):367-73.
- [Transapical off-pump aortic valve-in-a-valve implantation in two elderly patients with a degenerated porcine bioprosthesis.](#)  
*Re-operative heart-valve replacement is a high-risk procedure and even...*20th October, 2009  
Department of Cardiac Surgery, Hospital Clinico San Carlos, Madrid, Spain.- Eur J Cardiothorac Surg. 2009 Oct 14. ([DOI Direct Link](#))
- [Transcatheter aortic valve-in-valve implantation of a CoreValve in a degenerated aortic bioprosthesis.](#)  
*In recent years percutaneous aortic valve implantation has emerged as an...*16th October, 2009  
aA De Gasperis Cardiology & Cardiac Surgery Department, Italy- J Cardiovasc Med (Hagerstown). 2009 Oct 13. ([DOI Direct Link](#))
- [A unique complication of a broken heart.](#)  
*Although current concepts of cruciate ligament reconstruction using tendon...*16th October, 2009  
Loma Linda University Medical Center, Loma Linda, CA 92354, USA.- Am J Med. 2009 Oct;122(10):910-2. ([DOI Direct Link](#))

- [Stented within a stentless aortic valve. A simple surgical solution for the replacement of a stentless aortic bioprosthesis.](#)  
*Stentless aortic bioprostheses are designed to offer better hemodynamics,...*7th October, 2009  
Athens Medical Center, Marousi, Greece.- *Interact Cardiovasc Thorac Surg.* 2009 Oct 5. ([DOI Direct Link](#))
- [Rate of progression and functional significance of aortic root calcification after homograft versus freestyle aortic root replacement.](#)  
*BACKGROUND: Calcification is an important limitation after aortic root...*7th October, 2009  
Department of Cardiac Surgery, Harefield and Royal Brompton NHS Trust,- *Circulation.* 2009 Sep 15;120(11 Suppl):S269-75. ([DOI Direct Link](#))
- [The complete supraannular concept: in vivo hemodynamics of bovine and porcine aortic bioprostheses.](#)  
*BACKGROUND: Complete supraannular placement of an aortic bioprosthesis is...*7th October, 2009  
Department for Cardiovascular Surgery, German Heart Center, Munich,- *Circulation.* 2009 Sep 15;120(11 Suppl):S139-45. ([DOI Direct Link](#))
- [Survival in patients with severe aortic regurgitation and severe left ventricular dysfunction is improved by aortic valve replacement: results from a cohort of 166 patients with an ejection fraction](#)  
*BACKGROUND: Aortic valve replacement (AVR) in patients with severe aortic...*7th October, 2009  
Loma Linda University Medical Center, CA 92354, USA.- *Circulation.* 2009 Sep 15;120(11 Suppl):S134-8. ([DOI Direct Link](#))
- [\[Possibilities and limits in tissue engineering of the anterior cruciate ligament.\]](#)  
*Although current concepts of cruciate ligament reconstruction using tendon...*1st October, 2009  
Zentrum fur Muskuloskelettale Forschung, Institut fur Unfallchirurgische- Orthopade. 2009 Oct 1. ([DOI Direct Link](#))
- [Sutureless aortic valve bioprosthesis '3F/ATS Enable' - 4.5 years of a single-centre experience.](#)  
*Background: Management of patients with acquired heart malformations,...*29th September, 2009  
Klinika Chirurgii Serca Naczyn in Transplantologii, Uniwersytet- Kardiolog. 2009 Aug;67(8):956-963.
- [Off-pump transapical balloon-expandable aortic valve endoprosthesis implantation.](#)  
*OBJECTIVE: The aortic valve replacement is a routine procedure, and...*22nd September, 2009  
Federal University of Sao Paulo, UNIFESP, Sao Paulo, SP, Brazil.- *Rev Bras Cir Cardiovasc.* 2009 Jun;24(2):233-8.

## BioNews Results for Bioprosthesis

- [ATS reports implantation of heart valve during robot-aided surgery](#)  
*SmartBrief: Nov 5 2009 1:59AM Matching: bioprosthesis*
- [ATS Medical Announces First Human Robotic Endoscopic Aortic Valve Replacement](#)  
*Medicexchange.com: Nov 3 2009 1:35PM Matching: bioprosthesis*
- [First human robot assisted aortic valve replacement to implant the ATS 3f Aortic Bioprosthesis performed](#)  
*News-Medical.Net: Nov 2 2009 1:02PM Matching: bioprosthesis*
- [Surgery: Research from Siemens AG in the area of surgery described](#)  
*NewsRX: Oct 26 2009 4:18AM Matching: bioprosthesis*
- [ATS Medical Products Featured Prominently at European Association for Cardio-Thoracic Surgeons \(EACTS\) Annual](#)  
*Genetic Engineering News: Oct 15 2009 11:52AM Matching: bioprosthesis*
- [ATS Medical to exhibit its innovative cardiac surgery products at the EACTS meeting](#)  
*News-Medical.Net: Oct 15 2009 11:18AM Matching: bioprosthesis*
- [Columbia University achieves 100 implants of ATS 3f Aortic Bioprosthesis](#)  
*PharmaBiz: Sep 23 2009 4:29PM Matching: bioprosthesis*
- [US FDA approves ATS Medical's landmark clinical study of ATS 3f Aortic Bioprosthesis](#)

PharmaBiz: Aug 28 2009 7:53AM Matching: bioprosthesis

- [ATS Medical Announces FDA Approval for a Landmark Clinical Investigation of the ATS 3f Aortic Bioprosthesis](#)

Stockwatch: Aug 27 2009 10:35AM Matching: bioprosthesis

- [ATS Medical Announces FDA Approval for a Landmark Clinical Investigation of the ATS 3f Aortic Bioprosthesis](#)

PR Newswire via Yahoo!: Aug 27 2009 10:33AM Matching: bioprosthesis

## Bioprosthesis Clinical Trials:



- [ATS 3f Aortic Bioprosthesis Model 1000](#)

## Bioprosthesis Patents:



- 7018407- [Valve holder for tricuspid heart valve](#)
- 7163556- [Bioprosthesis and method for suturelessly making same](#)
- 7166124- [Method for manufacturing sutureless bioprosthetic stent](#)
- 7186265- [Prosthetic cardiac valves and systems and methods for implanting thereof](#)
- 7189258- [Heart valve system](#)
- 7189259- [Tissue material and process for bioprosthesis](#)
- 7214344- [Method for treatment of biological tissues to mitigate post-implantation calcification and thrombosis](#)
- 7244242- [Valve treatment catheter and methods](#)
- 7258698- [Prosthetic heart valve sizer assembly with flexible sizer body](#)
- 7282220- [Genipin-crosslinked gelatin microspheres as drug carrier](#)
- 7316712- [Tissue heart valve with annulus support structure](#)
- 7160320- [Reed valve for implantation into mammalian blood vessels and heart with optional temporary or permanent support](#)
- 7156881- [Counteracting bioprosthetic calcification](#)
- 7029434- [Methods for treating implantable biological tissues to mitigate post-implantation calcification](#)
- 7033390- [Prosthetic heart valve system](#)
- 7041132- [Percutaneously delivered heart valve and delivery means thereof](#)
- 7078163- [Process for reducing mineralization of tissue used in transplantation](#)
- 7101857- [Crosslinkable biological material and medical uses](#)
- 7122027- [Implantable medical device with controllable gaseous agent release system](#)
- 7125418- [Sigmoid valve and method for its percutaneous implantation](#)
- 7129035- [Method of preserving tissue](#)

- 7141064- [Compressed tissue for heart valve leaflets](#)
- 7156804- [Hernia prosthesis](#)
- 7318998- [Tissue decellularization](#)
- 7320705- [Bicuspid pulmonary heart valve and method for making same](#)
- 7322932- [Method for suturelessly attaching a biomaterial to an implantable bioprosthesis frame](#)
- 7468073- [Heart valve system](#)
- 7479164- [Calcification-resistant fixation](#)
- 7503929- [Prosthetic heart valve system](#)
- 7503930- [Prosthetic cardiac valves and systems and methods for implanting thereof](#)
- 7524331- [Catheter delivered valve having a barrier to provide an enhanced seal](#)
- 7556598- [Dissolvable protective treatment for an implantable supportive sling](#)
- 7556647- [Attachment device and methods of using the same](#)
- 7579381- [Treatment of bioprosthetic tissues to mitigate post implantation calcification](#)
- 7591848- [Riveted stent valve for percutaneous use](#)
- 7597711- [Heart valve assembly with slidable coupling connections](#)
- 7455689- [Four-leaflet stented mitral heart valve](#)
- 7438850- [Sterilization method for the production of implantable or transplantable biological material](#)
- 7331993- [Involuting endovascular valve and method of construction](#)
- 7348175- [Bioreactor with plurality of chambers for conditioning intravascular tissue engineered medical products](#)
- 7354749- [Decellularisation of matrices](#)
- 7389874- [Heart valve support and storing lid system and methods associated therewith](#)
- 7402133- [Spacer for sling delivery system](#)
- 7404819- [Implantable prosthesis](#)
- 7410499- [Valve holder](#)
- 7410792- [Instrumented bioreactor with material property measurement capability and process-based adjustment for conditioning tissue engineered medical products](#)
- 7413540- [Devices for minimally invasive pelvic surgery](#)
- 7422606- [Medical devices and products having coatings applied thereto](#)
- 7614999- [Systems, devices, and methods for minimally invasive pelvic surgery](#)

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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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