

#### REVUES INTERNATIONALES

Guivier C, Deplano V, Pibarot P. New insights into the assessment of the prosthetic valve in the presence of a subaortic stenosis through a fluid-structure interaction model. *Submitted to the Journal of Biomechanics*

Causin P, Diniz Dos Santos N, Gerbeau JF, Guivier C, Metier P. An embedded surface method for valve simulation. Application to stenotic aortic valve estimation. *ESAIM :Processing, 2005, Vol 14 :48-62*

#### CONGRÈS INTERNATIONAUX AVEC ACTES

Guivier C, Deplano V, Pibarot P. A numerical fluid dynamic study of the concomitant presence of a prosthetic aortic valve and a subaortic stenosis. *Vth Congress of Biomechanics, Munich, Août 2006*

#### CONGRÈS NATIONAUX AVEC ACTES

Guivier C, Bertolotti C, Godbout B, DeGuise J, Soulez G, Cloutier G. Comparison of hemodynamics in a realistic and an idealized stenotic arteries : pertinence of using simplified geometries in CFD studies. *Archives of physiology and biochemistry, 2004, Vol 112, suppl :105. 29ème Congrès de la Société de Biomécanique, Paris, Septembre 2004*

Guivier C, Deplano V, Pibarot P. A fluid-structure model of the aortic valve in the presence of a subaortic stenosis. *Computer Methods in Biomechanics and Biomedical Engineering, 2005, Vol 8, suppl 1 :129-130. 30ème Congrès de la Société de Biomécanique, Bruxelles, Septembre 2005*