

# Publications

**PUBLICATIONS**

## Publications

### Refereed papers in international journals

- Adame IM, van der Geest RJ, Wasserman BA, Mohamed M, Reiber JHC, Lelieveldt BPF. Automatic segmentation and plaque characterization in atherosclerotic carotid artery MR images. *MAGMA (Magnetic Resonance Materials in Physics, Biology and Medicine)*, 2004; 16 (5): 227-34.
- Adame IM, van der Geest RJ, Bluemke DA, Lima JAC, Reiber JHC, Lelieveldt BPF. Automatic vessel wall contour detection and quantification of wall thickness in *in-vivo* MR images of the human aorta. *J Magn Reson Imaging*. 2006; 24: 595-602.
- Adame IM, de Koning PJH, Lelieveldt BPF, Wasserman BA, Reiber JHC, van der Geest RJ. An integrated automated analysis approach for vessel stenosis and plaque burden from carotid MR images: combined post-processing of MRA and vessel wall MR. *STROKE*. 2006; 37: 2162-64.

### Papers in conference proceedings

- Adame IM, van der Geest RJ, Wasserman BA, Mohamed M, Reiber JHC, Lelieveldt BPF. Automatic plaque characterization and vessel wall segmentation in Magnetic Resonance images of atherosclerotic carotid arteries, proc. SPIE Medical Imaging 2004; 5370: 265-73.
- Adame IM, van der Geest RJ, Wasserman BA, Mohamed M, Reiber JHC, Lelieveldt BPF. Automatic characterization of atherosclerotic plaque and vessel wall segmentation in Magnetic Resonance images of carotid arteries. Proc. ASCI 2004; 291-8.

### Awards

- Second prize "Young Investigators' Award, 2003" of the "European Society for Magnetic Resonance in Medicine and Biology" (ESMRMB)

### Submitted journal papers

- Adame IM, van der Geest RJ, Dehnavi RA, Tamsma JT, Doornbos J, Reiber JHC, Lelieveldt BPF. Automated 3D segmentation of MR images of the carotid artery in follow up studies and quantification of changes in the vessel wall over time.

## Editorials

- Editorial for the International Atherosclerotic Society (IAS) ([www.athero.org](http://www.athero.org)). May 2004

## Published abstracts

- Adame IM, van der Geest RJ, Wasserman BA, Mohamed M, Reiber JHC, Lelieveldt BPF. Automatic vessel wall segmentation and plaque characterization in carotid artery MR images, proc. EuroCMR 2003.
- Adame IM, van der Geest RJ, Wasserman BA, Mohamed M, Reiber JHC, Lelieveldt BPF. Automatic segmentation and plaque characterization in carotid artery MR images, proc ESMRMB, (**awarded 2<sup>nd</sup>** prize young investigator award) in book of Abstracts 20<sup>th</sup> ESMRMB'03, Rotterdam, September 2003.
- Adame IM, van der Geest RJ, Wasserman BA, Mohamed M, Reiber JHC, Lelieveldt BPF. Combination of T1W, T2W and T1W post-contrast images to automatically segment and characterize plaque in carotid artery MR images, in book of Abstracts 21<sup>th</sup> ESMRMB'04, Copenhagen, September 9-12, 2004, abstract 165.
- Adame IM, van der Geest RJ, Bluemke DA, Lima JAC, Reiber JHC, Lelieveldt BPF. Automatic vessel wall thickness measurement of the human descending aorta in in-vivo MR images, proc. SCMR 2005
- Adame IM, de Koning PJH, Lelieveldt BPF, Wasserman BA, Reiber JHC, van der Geest RJ. Combined approach for automated segmentation of CR-MRA and vessel wall MR of the carotid artery. ESMRMB'06, Warsaw, Poland. September 21-24, 2006
- Adame IM, van der Geest RJ, de Koning PJH, Wasserman BA, Reiber JHC, Lelieveldt BPF. An Automated Integrated Analysis Method for Quantifying Vessel Stenosis and Plaque Burden from Carotid MR Images based on MRA and Vessel Wall MR. NASCI'06, Las Vegas, USA. October 6-10, 2006