



Applications of phase-contrast velocimetry sequences in cardiovascular imaging.

Submitted by Christophe Aube on Mon, 09/29/2014 - 15:42

Titre	Applications of phase-contrast velocimetry sequences in cardiovascular imaging.
Type de publication	Article de revue
Auteur	Caroff, J [1], Bière, Loïc [2], Trebuchet, Guillaume [3], Nedelcu, C [4], Sibileau, E. [5], Beregi, J-P [6], Aubé, Christophe [7], Furber, Alain [8], Willoteaux, Serge [9]
Editeur	Elsevier Masson
Type	Article scientifique dans une revue à comité de lecture
Année	2012
Langue	Anglais
Date	2012 Mar
Pagination	159-170
Volume	93
Titre de la revue	Diagnostic and Interventional Imaging
ISSN	2211-5684
Mots-clés	Aneurysm, Dissecting [10], Aortic Aneurysm, Thoracic [11], Cardiovascular Diseases [12], Heart Defects, Congenital [13], Heart Valve Diseases [14], Hemodynamics [15], Humans [16], Image Enhancement [17], Image Processing, Computer-Assisted [18], Imaging, Three-Dimensional [19], Magnetic Resonance Angiography [20], Magnetic Resonance Imaging [21], Renal Artery Obstruction [22], Rheology [23], Stroke Volume [24]
Résumé en anglais	<p>AIMS: To describe and illustrate the main applications of phase-contrast flow quantification in cardiovascular imaging.</p> <p>CONCLUSION: Phase-contrast velocimetry sequences provide an accurate, reliable, reproducible and non-invasive study of blood flow, information which is sometimes not available from other investigation methods. The haemodynamic information obtained from these complement MRI angiography images. They appear to have a range of clinical applications, firstly improving pathophysiological understanding but also contributing to the treatment and follow-up strategy after surgical or endovascular treatment.</p>
URL de la notice	http://okina.univ-angers.fr/publications/ua4197 [25]
DOI	10.1016/j.diii.2012.01.008 [26]
Autre titre	Diagn Interv Imaging
Identifiant (ID) PubMed	22421280 [27]

Liens

[1] [http://okina.univ-angers.fr/publications?f\[author\]=7373](http://okina.univ-angers.fr/publications?f[author]=7373)

[2] <http://okina.univ-angers.fr/loic.biere/publications>

- [3] [http://okina.univ-angers.fr/publications?f\[author\]=2381](http://okina.univ-angers.fr/publications?f[author]=2381)
- [4] [http://okina.univ-angers.fr/publications?f\[author\]=22336](http://okina.univ-angers.fr/publications?f[author]=22336)
- [5] [http://okina.univ-angers.fr/publications?f\[author\]=7191](http://okina.univ-angers.fr/publications?f[author]=7191)
- [6] [http://okina.univ-angers.fr/publications?f\[author\]=7376](http://okina.univ-angers.fr/publications?f[author]=7376)
- [7] <http://okina.univ-angers.fr/ch.aube/publications>
- [8] <http://okina.univ-angers.fr/al.furber/publications>
- [9] <http://okina.univ-angers.fr/s.willoteaux/publications>
- [10] [http://okina.univ-angers.fr/publications?f\[keyword\]=8545](http://okina.univ-angers.fr/publications?f[keyword]=8545)
- [11] [http://okina.univ-angers.fr/publications?f\[keyword\]=8546](http://okina.univ-angers.fr/publications?f[keyword]=8546)
- [12] [http://okina.univ-angers.fr/publications?f\[keyword\]=8547](http://okina.univ-angers.fr/publications?f[keyword]=8547)
- [13] [http://okina.univ-angers.fr/publications?f\[keyword\]=8548](http://okina.univ-angers.fr/publications?f[keyword]=8548)
- [14] [http://okina.univ-angers.fr/publications?f\[keyword\]=8549](http://okina.univ-angers.fr/publications?f[keyword]=8549)
- [15] [http://okina.univ-angers.fr/publications?f\[keyword\]=1578](http://okina.univ-angers.fr/publications?f[keyword]=1578)
- [16] [http://okina.univ-angers.fr/publications?f\[keyword\]=991](http://okina.univ-angers.fr/publications?f[keyword]=991)
- [17] [http://okina.univ-angers.fr/publications?f\[keyword\]=8347](http://okina.univ-angers.fr/publications?f[keyword]=8347)
- [18] [http://okina.univ-angers.fr/publications?f\[keyword\]=8541](http://okina.univ-angers.fr/publications?f[keyword]=8541)
- [19] [http://okina.univ-angers.fr/publications?f\[keyword\]=8060](http://okina.univ-angers.fr/publications?f[keyword]=8060)
- [20] [http://okina.univ-angers.fr/publications?f\[keyword\]=8550](http://okina.univ-angers.fr/publications?f[keyword]=8550)
- [21] [http://okina.univ-angers.fr/publications?f\[keyword\]=6040](http://okina.univ-angers.fr/publications?f[keyword]=6040)
- [22] [http://okina.univ-angers.fr/publications?f\[keyword\]=8551](http://okina.univ-angers.fr/publications?f[keyword]=8551)
- [23] [http://okina.univ-angers.fr/publications?f\[keyword\]=8552](http://okina.univ-angers.fr/publications?f[keyword]=8552)
- [24] [http://okina.univ-angers.fr/publications?f\[keyword\]=8553](http://okina.univ-angers.fr/publications?f[keyword]=8553)
- [25] <http://okina.univ-angers.fr/publications/ua4197>
- [26] <http://dx.doi.org/10.1016/j.diii.2012.01.008>
- [27] <http://www.ncbi.nlm.nih.gov/pubmed/22421280?dopt=Abstract>

Publié sur *Okina* (<http://okina.univ-angers.fr>)