

Novel radiopaque biomaterials for spinal surgery

Citation for published version (APA):

Boelen, E. J. H. (2007). *Novel radiopaque biomaterials for spinal surgery*. Datawyse / Universitaire Pers Maastricht.

Document status and date:

Published: 01/01/2007

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

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- The final published version features the final layout of the paper including the volume, issue and page numbers.

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Stellingen

Behorende bij het proefschrift

Novel Radiopaque Biomaterials for Spinal Surgery

Erik JH Boelen

1. We foresee that radiopaque hydrogels as described here are attractive materials for replacement of a herniated nucleus pulposus, especially in those cases which allow for repair of the annulus ring (*dit proefschrift*).
2. The absence of any artifacts in the MRI images is believed to be important, especially in view of the fact that there is a trend towards higher magnetic field strengths (*dit proefschrift*).
3. The synergistic interaction between a nucleus pulposus prosthesis and the annulus fibrosus is nearly impossible to replicate exactly *in vitro* (*dit proefschrift*).
4. Given the concerns that have been raised about BaSO₄ particles in acrylic bone cement, the present results suggest that iodine-containing cement is a viable alternative to high BaSO₄-containing cement in procedures for augmenting osteoporosis-induced vertebral compression fractures, such as vertebroplasty and balloon kyphoplasty (*dit proefschrift*).
5. Because the nucleus is a major component and often involved with the pathologic changes of the disc, it is logical to consider the replacement of the degenerated nucleus with a prosthetic nucleus (Bao, Spine 27 (2002) 1245-1247).
6. Ook de rug kan wel eens een steuntje gebruiken.
7. The Answer to the Great Question of Life, the Universe and Everything is forty-two (*Douglas Adams in "The hitchhikers guide to the galaxy"*).
8. De tijd en financiële middelen die nodig zijn om een biomateriaal op de markt te brengen, staan in geen verhouding tot de tijd en financiële middelen die beschikbaar zijn voor onderzoek.
9. De polymeerchemie en polymeertechnologie zijn veel verder geëvolueerd in de automotive industrie dan in de medical device industrie.
10. Bij volleybal moet je je niet uit het veld laten slaan.
11. Lange mensen converseren op hoog niveau.
12. Een congres bezoeken is net-werken.