

## Accepted Manuscript

Title: Injectable hyaluronic acid hydrogels with the capacity for Magnetic Resonance Imaging

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PII: S0144-8617(18)30683-0  
DOI: <https://doi.org/10.1016/j.carbpol.2018.06.028>  
Reference: CARP 13702

To appear in:

Received date: 30-1-2018  
Revised date: 2-4-2018  
Accepted date: 5-6-2018

Please cite this article as: Bermejo-Velasco D, Dou W, Heerschap A, Ossipov D, Hilborn J, Injectable hyaluronic acid hydrogels with the capacity for Magnetic Resonance Imaging, *Carbohydrate Polymers* (2018), <https://doi.org/10.1016/j.carbpol.2018.06.028>

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## Injectable hyaluronic acid hydrogels with the capacity for Magnetic Resonance Imaging

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### Graphical abstract

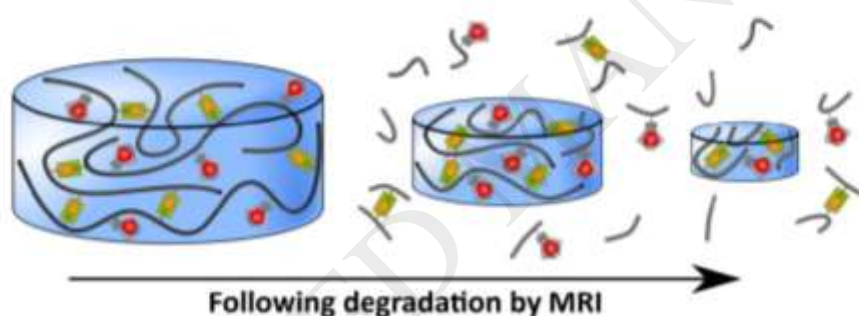


Table of content (TOB)/Graphical Abstract. Scheme of enzymatic degradation of injectable gadolinium (Gd)-labeled hyaluronic acid (HA) hydrogels.

### HIGHLIGHTS

- Gadolinium complex modified with “clickable” dithiopyridyl groups was linked to thiolated hyaluronic acid (HA).
- Gd-labeled HA was used as an efficient contrast agent for T<sub>1</sub>- and T<sub>2</sub>-weighted MRI.
- In vitro degradation of injectable Gd-labeled HA hydrogels was followed using MRI.
- Ex-vivo MRI of injected hydrogels showed great contrast with the surrounding tissues.

### ABSTRACT

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