



Post-treatment MRI aspects of photodynamic therapy for prostate cancer

Submitted by Marie-Christine... on Sat, 06/20/2015 - 18:37

Titre	Post-treatment MRI aspects of photodynamic therapy for prostate cancer
Type de publication	Article de revue
Auteur	Kulik, M [1], Nedelcu, C [2], Martin, Francis [3], Lebdaï, Souhil [4], Rousselet, Marie-Christine [5], Azzouzi, Abdel Rahmene [6], Aubé, Christophe [7]
Pays	Allemagne
Editeur	Springer
Ville	Heidelberg
Type	Article scientifique dans une revue à comité de lecture
Année	2014
Langue	Anglais
Date	Dec 2014
Numéro	6
Pagination	697-713
Volume	5
Titre de la revue	Insights into Imaging
ISSN	1869-4101

OBJECTIVES: Photodynamic therapy is a new focal therapy for prostate cancer.

METHODS: In this technique, a photosensitising agent is introduced intravenously, then activated by local laser illumination to induce tumour necrosis. Treatment efficacy is assessed by magnetic resonance imaging (MRI).

RESULTS AND CONCLUSIONS: We illustrate specific post-treatment MRI aspects at early and late follow-up with pathological correlations.

Résumé en anglais **TEACHING POINTS:**
Dynamic phototherapy is a new and promising focal therapy for prostate cancer.
One-week MRI shows increased volume of the treated lobe and large, homogeneous necrosis area.
Six-month MRI shows significant changes of the prostate shape and signal.
Six-month MRI becomes "base line" appearance for further follow-up or monitoring.

URL de la notice	http://okina.univ-angers.fr/publications/ua12710 [8]
DOI	10.1007/s13244-014-0359-8 [9]
Lien vers le document	http://dx.doi.org/10.1007/s13244-014-0359-8 [9]
Autre titre	Insights Imaging

Liens

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- [9] <http://dx.doi.org/10.1007/s13244-014-0359-8>

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