

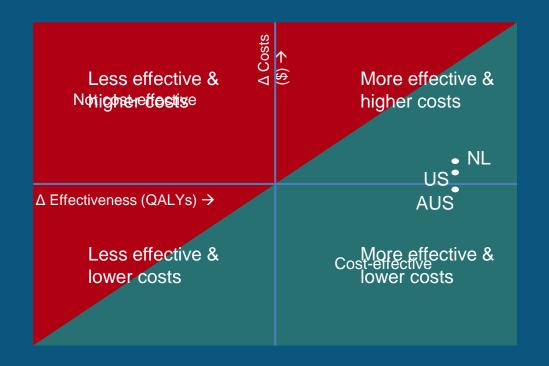
"The whole business Case from a patients view"

Prof. Jelle Barentsz

Prostate MR Reference/Expert Center Nijmegen

One of the Dancing Doctors

Cost-effectiveness







I have created followers



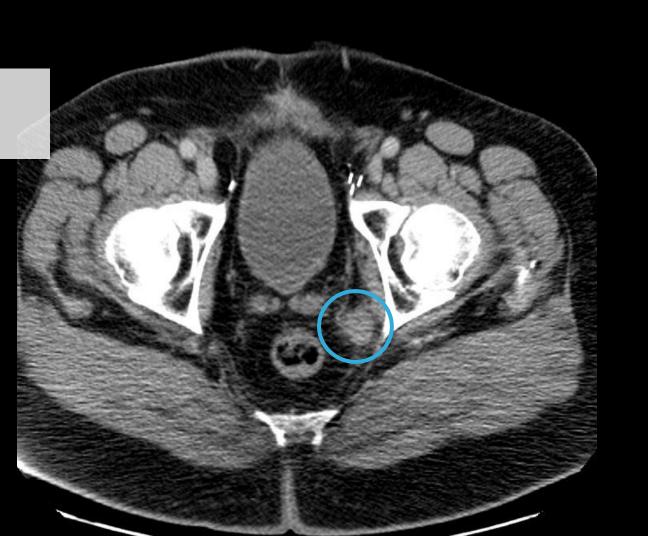
ESUO 2017
Barcelona
Prof. Brausi
Chairman

"MRI has improved in recent years, and urologists are learning to make better use of it. We are coming around to the idea that MRI is the best first step."



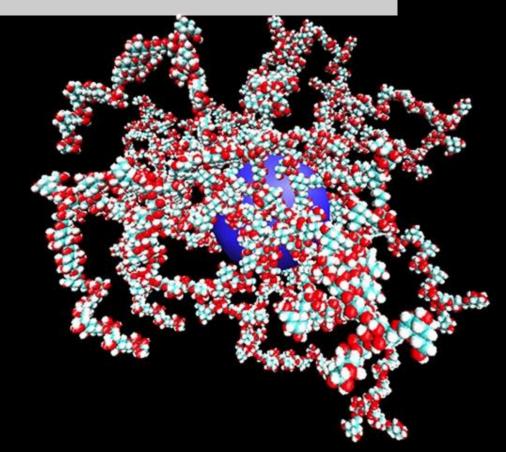


PSA 5





Nano (Combidex) MRI

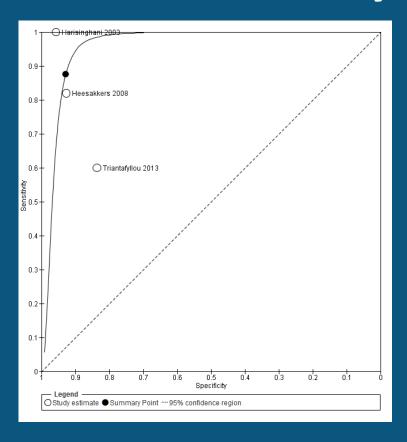








Nano-MRI is very accurate!



QUADAS-2 criteria

Specificity 93%

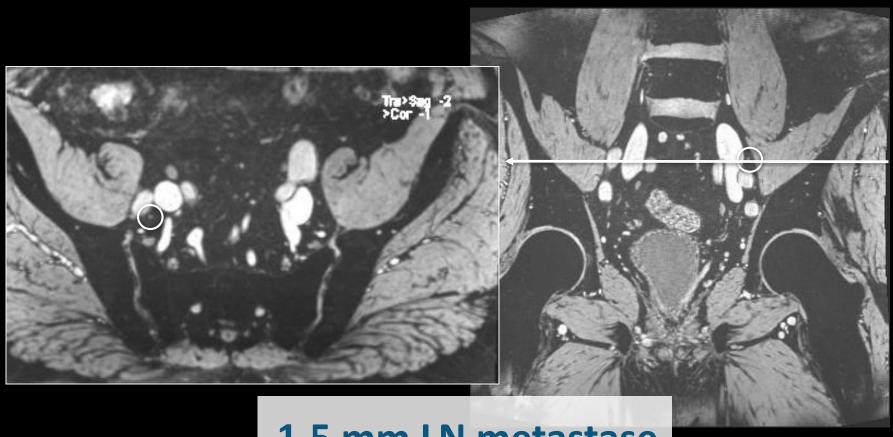
Sensitivity 88%



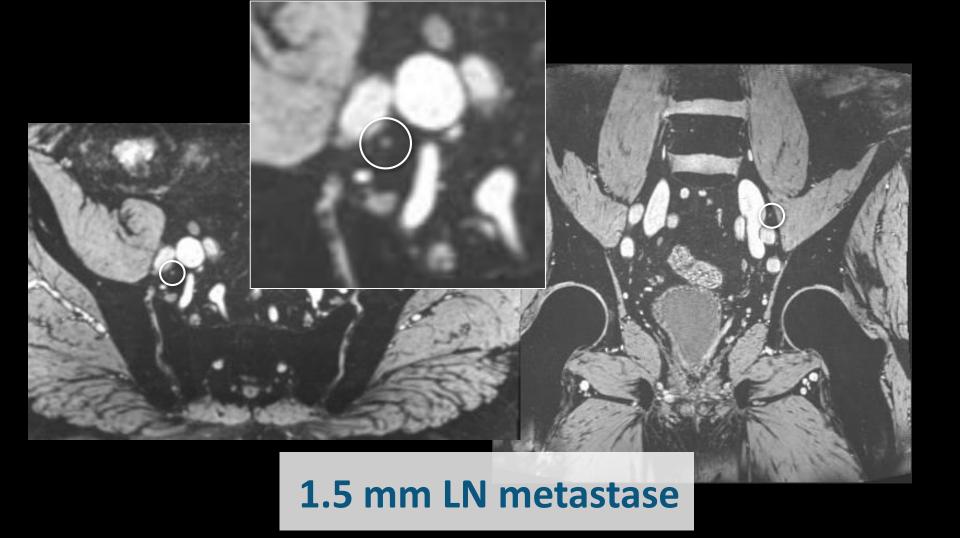
1.5 mm LN metastase



1.5 mm LN metastase



1.5 mm LN metastase





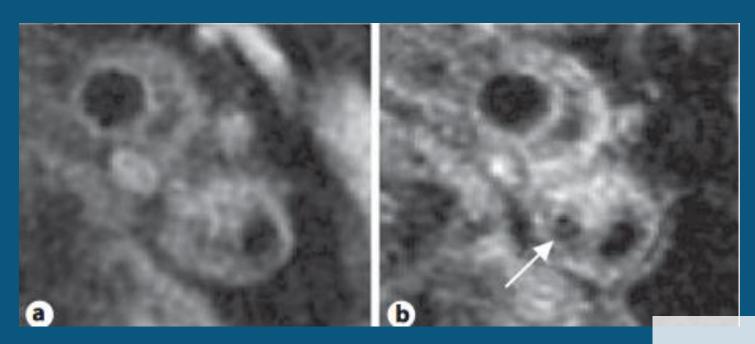
MS-activity beter detected with Combidex-MRI



V. Dousset, AJNR 2006

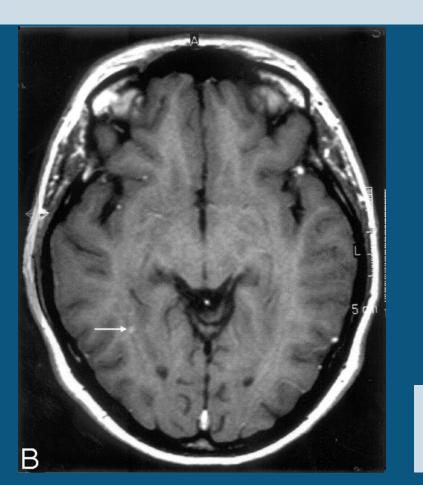
Gd-(normal)
MRI contrast

Vulnerable plaque can be identified with Nano (Combidex) MRI



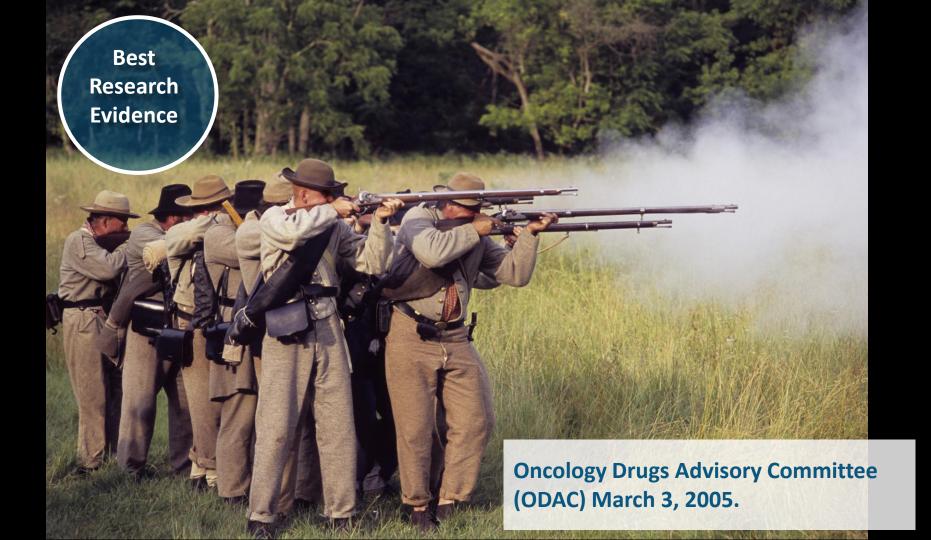
Degnan, Cerebrovasc Dis. 2012 Ushman, Nanomedicine 2015 Nano-MRI

MS-activity beter detected with Combidex-MRI



V. Dousset, AJNR 2006

Combidex-MRI





BLOGGERS: MARK SCHOLZ, MD & RALPH H. BLUM

The co-authors of *Invasion of the Prostate Snatchers*, blog alternate posts weekly. We invite you to post your comments.

Tuesday, December 11, 2012

The FDA and Its Firing Squad (Combidex Part 3)

BY RALPH BLUM

After interviewing several staff members at Ad Mag, I became very aware of the financial reality. Contrast agents are not economically viable. Subjected to all the same requirements as a drug, a contrast agent like Combidex can cost over \$100 million to develop, and the likelihood of FDA approval is increased by having a narrow indication. But here's the irony: the narrower the indication, the less chance the company will ever recoup its money.

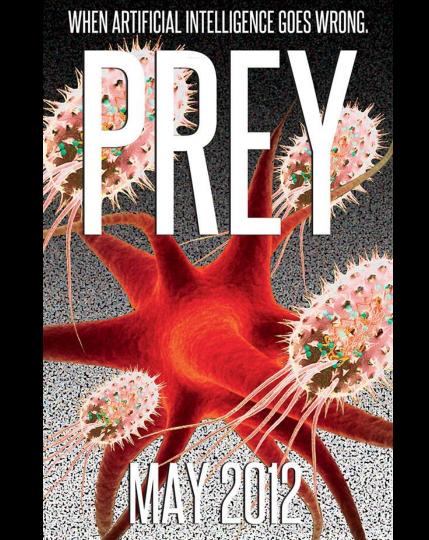
SEARCH THIS BLOG

Search

reach us by phone (310) 827-7707

PROSTATE SNATCHER VIDEOS

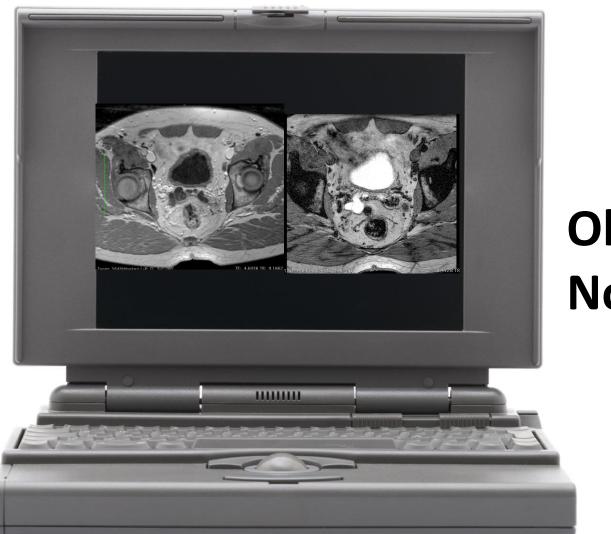




Guerbet

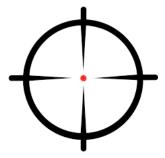


Contrast for Life





Old laptops No "cross-hairs"



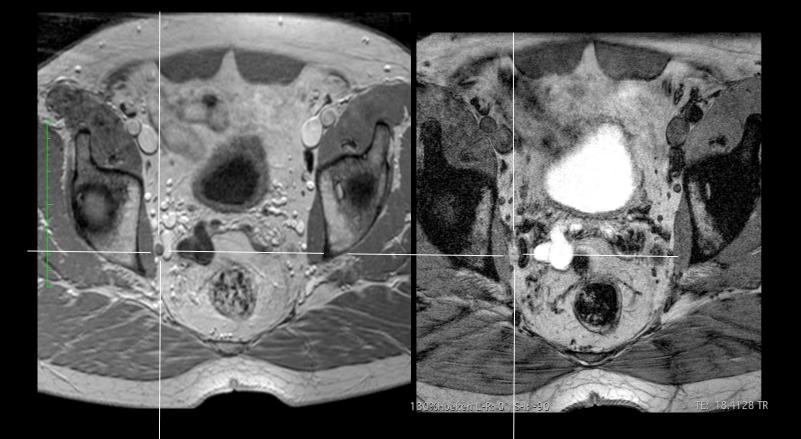


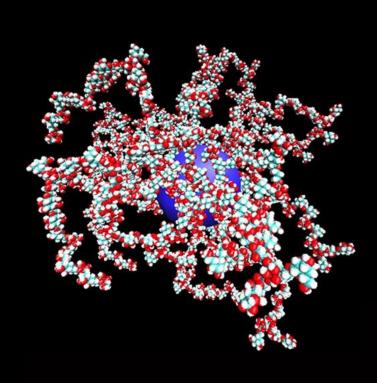


EMA 2009

Suboptimal design off-center centralised reading

High inter-reader variability





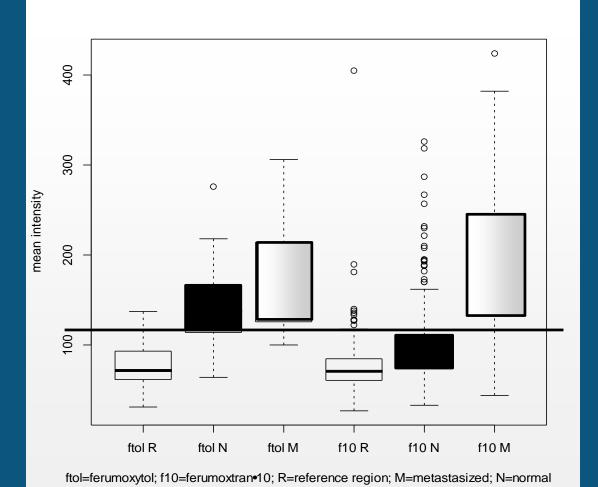


MISSIDNEMERSSBEE









Combidex vs Feraheme

Debats, Peer J 2016





Education Environment

Government

Monday, April 22, 2013

Combidex Technology Sale Opens Door to a Revolution in Diagnostic Cancer Imaging

Improved cancer diagnostic imaging is one step closer to reality with the sale of Combidex® by an American pharmaceutical company to a Dutch university that intends to launch global trials, reports the International Strategic Cancer Alliance. Combidex® is a nanoparticle fluid used with magnetic resonance imaging (MRI) that can visualize cancer metastases with pinpoint accuracy in lymph nodes as small as 2 - 3 millimeters, compared to conventional CT imaging, which can only visualize malignant nodes that are larger than 8 millimeters.

Kennett Sq., PA (PRWEB) April 08, 2013

The exclusive technology and development rights to Combidex® (ferumoxtran-10), a contrast agent showing great potential in the field of diagnostic imaging, have been sold by the U.S. pharmaceutical company AMAG Pharmaceuticals, Inc. to a Dutch University Medical center. The new owner of the technology package is Radboud University Nijmegan Medical Center (RUNMC), a part of Stichting Katholieke Universiteit, a non-profit foundation in The Netherlands. Under the direction of noted radiologist Jelle Barentsz, M.D., RUNMC will continue research and development of Combidex®, to include global clinical trials advancing towards regulatory application. a commercialized product and widespread patient

The sale agreement was negotiated with the assistance of Örn Adalsteinsson, Ph.D., President and CEO of the International Strategic Cancer Alliance, a cancer research organization based in Kennett Square,

Combidex® is an injectible nanoparticle fluid used in conjunction with magnetic resonance imaging (MRI). Clinical cancer studies have demonstrated Combidex's capability in visualizing malignant lesions in lymph nodes as small as 2-3 millimeters. By comparison, state-of-the-art CT imaging can only visualize malignant nodes that are larger than 8 millimeters. The potential of Combidex technology includes earlier, more specific lymph node cancer detection, resulting in more appropriate and effective therapy with reduced side effects and improved patient outcomes.

The details of upcoming clinical trials will be announced





Rebirth of Combidex 2014





| Type of adverse event | Number of patients | |
|-----------------------|-------------------------------|--|
| all were Grade 1 | (n= 7/310) 2% | |
| Minor back pain | 2 (contrast related) | |
| Minor nausea | 1 (contrast related) | |
| Flushing/feeling hot | 1 (contrast related) | |
| Dry mouth | 3 (possibly contrast related) | |

Decision analytic model: Combidex-MRI vs PLND

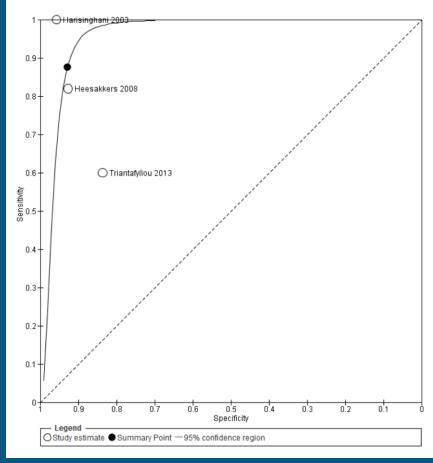
| Table 4 | | | |
|---|-----------------|-----------|--|
| Comparison of MR Lymphography and PLND Strategies | | | |
| Category | MR Lymphography | PLND | |
| Expected cost per patient, per strategy (\$) | 8652 | 9789 | |
| Expected no. of life-years gained per strategy | | | |
| Expected no. of QALYs per strategy | 10 | 10 | |
| Health care costs per QALY (\$) | 888 | 1014 | |
| Incremental costs per QALY | | Dominated | |



Sensitivity 88% Specificity 93%

Saves \$2000 pp





available at www.sciencedirect.com
journal homepage: www.europeanurology.com





Review - Prostate Cancer

The Benefits and Harms of Different Extents of Lymph Node Dissection During Radical Prostatectomy for Prostate Cancer: A Systematic Review

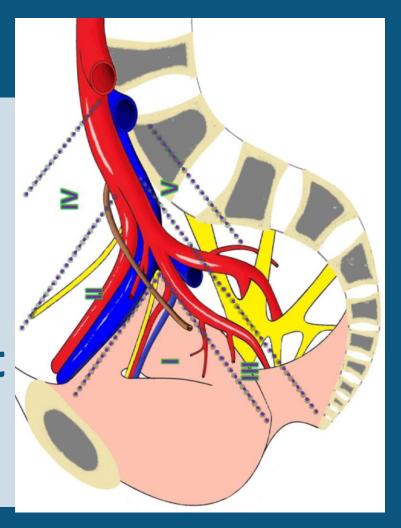
Nicola Fossati^{a,1}, Peter-Paul M. Willemse^{b,1}, Roderick C.N. van den Bergh^c,
Thomas Van den Broeck^d, Cathy Yuhong Yuan^e, Erik Briers^f, Joaquim Bellmunt^{g,h},
Michel Bollaⁱ, Philip Cornford^j, Maria De Santis^k, Ekelechi MacPepple^l, Ann M. Henry^m,
Malcolm D. Masonⁿ, Vsevolod B. Matveev^o, Henk G. van der Poel^p, Theo H. van der Kwast^q,
Olivier Rouvière^r, Ivo G. Schoots^{s,t}, Thomas Wiegel^u, Thomas B. Lam^{v,w}, Nicolas Mottet^x,
Steven Joniau^{d,*}

PLND and e-PLND

Worse intra- and peri-operative outcome

Direct therapeutic effect is still not evident

Has staging benefit



Combidex-MRI can solve this problem







