

CV Jelle Barentsz, September 2019

Basic details

Titles, Name: Prof. Dr. Jelle Barentsz (Male)
Born: 19-April-1956, Place: Renkum (NL)
Married, 3 children.



Radboudumc,
Department of Radiology and Nuclear Medicine
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|---|---|--------------------------|------------------|
| Z/U number: | Z035106 | | |
| Name: | J.O. Barentsz | | |
| Department: | Radiology and Nuclear Medicine | | |
| Medical specialist: | Yes | Practicing as physician: | Yes, Radiologist |
| MD examination | University of Utrecht (average grade 8 of 10) 29-Feb-1980 | | |
| Total appointment at Radboudumc: | 1.0 fte | | |
| Date of PhD defense: | 11-Jan-1990: "MRI of Urinary Bladder cancer" | | |
| Researcher ID (obligatory) | D-3515-2009 | | |
| H-index: see Web of Science | 65 | | |
| Man-years of research | 38 | | |

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|---|---|------------------------------------|---|
| Radboudumc Research Institute <i>(mark one)</i> | | Radboudumc Theme <i>(mark one)</i> | |
| Radboud Institute for Health Sciences | X | Urological cancers | X |

| Year of application | For Junior PI / PI | Awarded (yes/no) |
|---------------------|--------------------|------------------|
| 2008 | PI | yes |
| 2011 | PI | yes |
| 2014 | PI | yes |
| 2017 | PI | yes |

Describe your research line in a maximum of 100 words

My research focuses on creating and implementing new functional and molecular imaging techniques, especially prostate-cancer-MRI. I focus on improving MRI-quality and new MR-contrast agents and merging them with other functional imaging techniques.
 My main goal is the implementation and standardization of new imaging techniques, in order to allow on population basis better visualization of tumor extension, aggression and metastases. This results in patient tailored treatment, with reduced treatment side-effects at lower costs and with increased survival.
 My future targets are to enable prostate cancer MRI-screening, the global use of nano-MRI to visualize 1.5mm lymph node metastases, and to introduce Artificial intelligence to detect prostate Cancer on MRI's without a radiologist

Indicate with one "X" your position in the axis/spectrum from Molecule to Man to Population

| Mol | Mol-Man | Man | Man-Pop | Pop |
|-----|---------|-----|---------|-----|
| x | x | x | x | x |

| List the researchers* in your own group who you are supervising | | |
|---|------------------|---|
| Name | Department | Position* |
| Dr. Ir. H.J. Huisman | Radiology | Physicist/workgroup Leader/ UD |
| R. van Delft | Radiology (PMRC) | Manager prostate reference center (PMRC), MSc |
| R. Engels | Radiology (PMRC) | MSc |
| O.Sefati | Radiology (PMRC) | Technician |
| R. Mus | Radiology (PMRC) | Radiologist |
| J. Bomers | Radiology (PMRC) | Post-doc |
| M. vd Leest | Radiology | Radiologist, PhD Candidate |
| E. Hamoen | Urology | MD, PhD Candidate |
| B. Philips | Radiology | MD, PhD Candidate |
| A. Fortuin | Radiology | Radiologist PhD Student |
| M. de Rooij | Radiology | Resident Radiology Post-doc |
| B. Israel | Radiology | MD, PhD Candidate |
| P. Zamecnik | Radiology | Radiologist PhD Candidate |

* UHD / UD / postdoc / PhD students


| International esteem | |
|--|---|
| Board member of scientific (inter)national committee | <ul style="list-style-type: none"> - Past Chairman European Society of Uroradiology Prostate MR Guidelines Committee - Chair ESUR and ACR Prostate-MRI Accreditation and Certification Subcommittee - Co-Chair American College of Radiology PIRADS Steering Committee - PI International MR-Prostate Workgroup - Steering Committee GAP 6 Movember - Chairman Prostate MR Reference Center (PMRC) - Chairman Radboudumc Prostate MR-Expert Center |
| Member of editorial board or editor of international journal | <ul style="list-style-type: none"> - Imaging Editor European Urology |
| International lecture at top meeting | RSNA, ECR, ISMRM, EAU, ESUO, ESUR Prostate Conferences, ESUR, SAR, SCBTMR, Inspire2Live. Director of Hands-on Courses at RSNA, ARRS, SAR, ESUR |
| Personal prize and award of distinction | Honorary Membership Japanese Radiological Society (2019) Honorary Membership Polish Medical Radiological Society (2019) Royal Decoration (Knight in the Order of the Dutch Lion (Ridder in de Orde van de Nederlandse Leeuw) Lifetime Achievement Society of Abdominal Radiology 2012 Wertheim Salomonson Medal, Dutch Society of Radiology 2011 Best Clinical Scientific Paper Award European Urology Highest Citation Award European Radiology Queen Wilhelmina Research Award 2008 1 x First, 2x Last and responsible author of Lauterbur Award SCBTMR SCBT & MR Lauterbur Award: 1999, 2010 + 2014 (senior author) SCBT & MR In-training Award: 2003 (senior author) SCBT & MR cum Laude Award: 2004, and 2008 6 First Price Awards SUR: 1994, 1998, 2001, 2002, 2006, 2007 Excellent Teacher Award ISMRM 2012 |

| Recent Societal impact | |
|--|---|
| Publication in newspapers and magazines, interview for television or radio, internet site that is accessible to a large audience | RTL 4 news; NOS.nl (2014) 5 Lectures Universiteit van Nederland (2015) Papers in "De Telegraaf" and "De Gelderlander" (2015) KWF-intro (2015) Behandelrichtlijn prostaatcarcinoom Oncologie TV MEDtalks KWF 65 years: Jelle Barentsz on Radiologie Highest score "Zorgkaart Nederland.nl" (9,8/10 from 35 judgements) |
| Author of manual for professionals, of policy formulated document, of policy instrument relating to healthcare or of guideline or quotation in guideline | <ul style="list-style-type: none"> - Global Guidelines prostate cancer PI-RADS v2 (Eur Urol 2016). - Government Gazette (March 2016): The Role of MRI Expands. - https://biotechstrategyblog.com/2012/03/the-mannogram-how-imaging-may-revolutionize-prostate-cancer-diagnosis.html/ |
| Board member of important public (societal) organization | Prostaat Richtlijn Commissie namens NVvR (Dutch Prostate Cancer Guideline Committee) Raad van Advies Prostaat Kanker Stichting (Board of Advisors Dutch Prostate Cancer Foundation) |
| Wide and established implementation of product in health care and health care market | Organizer and implementer of PI-RADS: the global MRI-standard to detect significant prostate cancer. 14 Centers around the World are trained by our PMRC to be an Center of Excellence in prostate MRI. These Centers are connected through an internet-connected-network, organized by the PMRC. Development of CE-approved ISO-certified Prostate Reporting software (PROCAD). Implementation of mpMRI in Urology, which results in reduction of TRUS biopsy needles. New diagnostic strategy in prostate cancer (detection, staging, treatment) Rebirth of Combidex (nano-MRI), which start of approval process |

Quantitative criteria

Publications

[Researcher-ID: D-3515-2009](#)

| | | | |
|---|--|-------------------|--|
|  | Jelle Barentsz | | Web of Science ResearcherID [®] |
| | Radboud University Nijmegen Medical Center | | D-3515-2009 |
| | PUBLICATIONS | TOTAL TIMES CITED | H-INDEX |
| | 310 | 17.828 | 67 [®] |

Scientific Papers See:

[Researcher-ID: D-3515-2009](#)

Book (Chapters)

Book:

Magnetic Resonance Imaging of Carcinoma of the Urinary Bladder. Barentsz JO, Debruyne F, and Ruijs JHJ eds. Kluwer Academic Publishers 1st edition 1990.

Book chapters:

Grainger & Allison Diagnostic Radiology. Adam, Dixon, Gillard, Schaefer-Prokop eds. Churchill Livingstone, 5th Edition 2008. Ch 39: p 931. Bomers, Bittencourt, Villeirs, Barentsz.

Oncologie. Van der Velde, van der Graaf, van Krieken, Marijnen, Vermorken eds. Bohn Stafleu van Loghum, Houten. 8th Edition. 2011. Ch 4: p103. Diagnostiek in de oncologie. Vermorken, Schrijvers, Weyler, Moreels, Carp, Barentsz, Heijmink.

Nanoparticles in Biomedical Imaging: Emerging Technologies and Applications. Bulte, Modo, Edts. Springer. 1st Edition. 2008. Ch 3: p25 Use of USPIO's for Clinical Lymph Node Imaging. Barentsz and Tekkis.

Nuclear Oncology. C Aktolun an SJ Goldsmith eds. Wolters. 1st edition. 2015. Ch 27: p399. Assessment of Lymph Node Detection and Imaging in Oncology. AS Fortuin, TC Kwee, S Bassu, et al (JO Barentsz before last author).

Clinical Urography. HM Pollack and BL McClennan eds. Saunders. 2nd ed. 2000. Ch 48: p1642 Bladder Cancer. JO Barentsz.

Selection of 10 best Scientific Papers

| Peer reviewed publication <i>Mention authors (all), title, journal, volume, page numbers and year</i> | Author position 1, 2, L, 1-L | 5-Year Impact Factor | Subject category & journal ranking by 5-Year IF | Type of publication* Article, Review |
|--|------------------------------------|----------------------|--|---|
| <p>1. High Diagnostic Performance of Short Magnetic Resonance Imaging Protocols for Prostate Cancer Detection in Biopsy-naïve Men: The Next Step in Magnetic Resonance Imaging Accessibility. van der Leest M, Israël B, Cornel EB, Zámečník P, Schoots IG, van der Lelij H, Padhani AR, Rovers M, van Oort I, Sedelaar M, Hulsbergen-van de Kaa C, Hannink G, Veltman J, Barentsz J. EUROPEAN UROLOGY 2019 Jun 2. pii: S0302-2838(19)30436-1. doi: 10.1016/j.eururo.2019.05.029. [Epub ahead of print]</p> | L | 15.66 | <i>Urology & Nephrology:</i> 1 | Article |
| <p>2. Head-to-head Comparison of Transrectal Ultrasound-guided Prostate Biopsy Versus Multiparametric Prostate Resonance Imaging with Subsequent Magnetic Resonance-guided Biopsy in Biopsy-naïve Men with Elevated Prostate-specific Antigen: A Large Prospective Multicenter Clinical Study. van der Leest M, Cornel E, Israël B, Hendriks R, Padhani AR, Hoogenboom M, Zamecnik P, Bakker D, Setiasti AY, Veltman J, van den Hout H, van der Lelij H, van Oort I, Klaver S, Debruyne F, Sedelaar M, Hannink G, Rovers M, Hulsbergen-van de Kaa C, Barentsz JO. EUROPEAN UROLOGY 2019 Apr;75(4):570-578. doi: 10.1016/j.eururo.2018.11.023.</p> | L | 15.66 | <i>Urology & Nephrology:</i> 1 | Article |
| <p>3. PI-RADS prostate imaging-reporting and data system: 2015, version 2 JC Weinreb, JO Barentsz, PL Choyke, F Cornud, MA Haider, KJ Macura, ... EUROPEAN UROLOGY 69 (1), 16-40</p> | (Co)1 | 15.66 | <i>Urology & Nephrology:</i> 1 <i>Highly cited paper</i> <i>Hot paper</i> <i>Awarded paper</i> | Article |
| <p>4. Synopsis of the PI-RADS v2 guidelines for multiparametric prostate magnetic resonance imaging and recommendations for use JO Barentsz, JC Weinreb, S Verma, HC Thoeny, CM Tempny, F Shtern, ... EUROPEAN UROLOGY 69 (1), 41-49</p> | (Co)1 | 15.66 | <i>Urology & Nephrology:</i> 1 | Article |
| <p>5. Prospective study of diagnostic accuracy comparing prostate cancer detection by transrectal ultrasound-guided biopsy versus magnetic resonance (MR) imaging with subsequent MR-guided biopsy in men without previous prostate biopsies MR Pokorny, M De Rooij, E Duncan, FH Schröder, R Parkinson, ... EUROPEAN UROLOGY 66 (1), 22-29</p> | 1-L | 15.66 | <i>Urology & Nephrology:</i> 1 <i>Highly cited paper</i> | Article |
| <p>6. Three-Tesla magnetic resonance-guided prostate biopsy in men with increased prostate-specific antigen and repeated, negative, random, systematic, transrectal ultrasound biopsies: detection of clinically significant prostate cancers CMA Hoeks, MG Schouten, JGR Bomers, SP Hoogendoorn, ... EUROPEAN UROLOGY 62 (5), 902-909</p> | L | 15.66 | <i>Urology & Nephrology:</i> 1 | Article |

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|---|-----|-------|---|---------------|
| <p>7. ESUR prostate MR guidelines 2012 JO Barentsz, J Richenberg, R Clements, P Choyke, S Verma, G Villeirs, ... EUROPEAN UROLOGY 22 (4), 746-757</p> | F | 4.227 | Radiology 16 Highly cited paper (WoS: 868, Google Scholar: 1310), Best of European Radiology ever. | Article |
| <p>8. Accuracy of Magnetic Resonance Imaging for Local Staging of Prostate Cancer: A Diagnostic Meta-analysis By: de Rooij, Maarten; Hamoen, Esther H. J.; Witjes, J. Alfred; et al. EUROPEAN UROLOGY Volume: 70 Issue: 2 Pages: 233-245 Published: AUG 2016</p> | 1-L | 15.66 | <i>Urology & Nephrology: 1</i> <i>Highly cited paper</i> | Meta-analysis |
| <p>9. Transition Zone Prostate Cancer: Detection and Localization with 3-T Multiparametric MR Imaging By: Hoeks, Caroline M. A.; Hambrock, Thomas; Yakar, Derya; et al. RADIOLOGY Volume: 266 Issue: 1 Pages: 207-217 Published: JAN 2013</p> | L | 7.32 | Radiology 2 Highly cited paper | Article |
| <p>10. Prospective Assessment of Prostate Cancer Aggressiveness Using 3-T Diffusion-Weighted Magnetic Resonance Imaging-Guided Biopsies Versus a Systematic 10-Core Transrectal Ultrasound Prostate Biopsy Cohort By: Hambrock, Thomas; Hoeks, Caroline; Hulsbergen-van de Kaa, Christina; et al. EUROPEAN UROLOGY Volume: 61 Issue: 1 Pages: 177-184 Published: JAN 2012</p> | L | 15.66 | <i>Urology & Nephrology: 1</i> <i>Highly cited paper</i> | Article |

Personal obtained funding

Concerning the period January 1st, 2012 –December 31st, 2016

| Title project (abbreviated) | Co-applicant research leader(s) | Year granted | Funding body | K € (total grant) |
|--|---|--------------|-------------------------|-------------------|
| 1. Value of Multi-parametric MRI and MR-guided biopsies the detection of significant prostate cancer in men with an elevated PSA 2016-2018. | J.O. Barentsz (PI) J. Witjes M. Rovers C Hulsbergen-vd Kaa | 2015 | KWF 2015-6707 | 1.241 |
| 2. ZON-MW: Value of CT versus MRI using USPIO in the detection of lymph node metastases in prostate cancer | J.O. Barentsz | 2002-2005 | ZON-MW Doelmatigheid | 1.200 |
| 3. KWF: Detection of prostate cancer based on contrast enhanced imaging of hemodynamic changes in the prostate. | J O Barentsz | 2003-2007 | KWF | 250 |
| 4. KWF: Vascular effects of VEGF mutations: implications for MRI of human tumors. R. De Waal | A. Heerschap J.O. Barentsz | 2000-2004 | KWF | 250 |
| 5. KWF: Contrast enhanced MRI and US of prostate cancer | J.O. Barentsz | 1998-2004 | KWF | 250 |
| 6. KWF: Computer assisted diagnoses of prostate cancer combining high resolution, dynamic contrast enhanced and spectroscopic MR | HJ Huisman JO Barents JA Witjes | 2004-2008 | KWF | 250 |
| 7. KWF Queen Wilhelmina Program Award - Exploring the clinical value of novel high resolution anatomic, molecular and functional MR imaging in prostate cancer | JO Barentsz A Heerschap | 2008-2014 | KWF | 2.000 |

PhD theses supervised as (co-)promotor: 27

| PhD student | Title thesis | Promotor (yes/no) | Co-promotor (yes/no) | Date of PhD defense |
|--------------------|---|-------------------|----------------------|---------------------|
| W. Morshuis | Surgical treatment of pectus excavatum. Indications and results | N | Y | 1994 |
| PEJM Salleveld | <i>De substitutiewaarde van MRI inzake de preoperatieve diagnostiek van het Abdominale Arteriosclerotische Aneurysma.</i> | N | Y | 1994 |
| C Boetes | <i>MR imaging in breast cancer, a clinical study</i> | N | Y | 1995 |
| D Franssen-Franken | <i>Homocysteinaemie, treatment with vitamine D and folowup with MRI / MRA.</i> | N | Y | 1996 |
| PBJ van Vierzen | <i>Fast Dynamic MRI of Gynecological Tumors</i> | N | Y | 1997 |
| AE Holland | <i>Clinical and Experimental Cardiovascular MRA</i> | Y | N | 2000 |
| JW Goldfarb | <i>Gd-enhanced MRI: Technical developments and Clinical Testing</i> | Y | N | 2000 |
| E Bos | <i>Clinical Value of Analytes in Cyst Fluid from Ovarian Tumors</i> | Y | N | 2003 |
| M Engelbrecht | Local Staging of PCa using MRI | Y | N | 2003 |
| JJ Futterer | Advanced MRI Techniques in Localising and Local Staging of PCa. | Y | N | 08-02-06 |
| A Hovels | The Value of MR-Lymphography in the Detection of Lymph Nodal Metastasis in Patients with PCa. | Y | N | 10-02-08 |
| S Broekhuis | Dynamic MRI in Female Pelvic Floor Disorders | Y | N | 10-03-2010 |
| WMLLG Deserno | New Horizons in Lymph Node Imaging in Oncology | Y | N | 22-12-2010 |
| J Veltman | Dynamic Contrast Enhanced MRI in the Classification of Breast Lesions | Y | N | 11-10-2010 |
| RM Mann | The Effectiveness of Breast MRI in Invasive Lobular Carcinoma | Y | N | 24-11-2010 |
| H Meijer | Magnetic resonance lymphography and lymph node irradiation in prostate cancer | Y | N | |
| MJ Stoutjesdijk | Automated Analysis of Contrast Enhancement in MRI of the Breast | Y | N | 16-11-2011 |
| PC Vos | Computer-aided Diagnosis of PCa with MRI | Y | N | 08-12-2011 |
| C Meeuwis | Computer Aided Detection and Guided Biopsies using 3T MRI | Y | N | 27-09-2011 |
| S Heijmink | MR Imaging of Prostate Cancer at 3T: the Pros and Cons of Scanning with Endorectal Coil | Y | | 24-06-2015 |
| E Vos | Magnetic resonance imaging of prostate cancer: assessment of aggressiveness and pre-clinical developments | Y | | 01-05-2016 |
| G Litjens | Computerized detection of cancer in multi-parametric prostate MRI | Y | | 23-01-2015 |
| W van de Ven | MRI guided TRUS prostate biopsy - a viable alternative? | Y | | 04-07-2016 |
| J Bomers | MR-guided focal therapy in patients with localized recurrent prostate cancer | Y | | 06-06-2017 |
| M. Schouten | MRI-guided prostate biopsy: which direction? | Y | | 19-07-2017 |

| | | | | |
|--------------|--|---|--|------------|
| K. Overduin | MRI-guided interventions for fast diagnosis and focal treatment of (recurrent) prostate cancer | Y | | 18-12-2017 |
| M de Rooij | Multiparametric MRI in prostate cancer | y | | 06-07-2017 |
| W. Venderink | | Y | | 11-12-2018 |

Publications (330)

1. Complications and Adverse Events of Three Magnetic Resonance Imaging-based Target Biopsy Techniques in the Diagnosis of Prostate Cancer Among Men with Prior Negative Biopsies: Results from the FUTURE Trial, a Multicentre Randomised Controlled Trial. Wegelin O, Exterkate L, van der Leest M, Kelder JC, Bosch JLHR, Barentsz JO, Somford DM, van Melick HHE. *Eur Urol Oncol.* 2019 Sep 10. pii: S2588-9311(19)30133-6. doi: 10.1016/j.euo.2019.08.007. [Epub ahead of print]
2. Reply to Jochen Walz. Let's Keep It at One Step at a Time: Why Biparametric Magnetic Resonance Imaging Is Not the Priority Today. *Eur Urol.* In press. <https://doi.org/10.1016/j.eururo.2019.06.028>: How to Implement High-quality, High-volume Prostate Magnetic Resonance Imaging: Gd Contrast Can Help but Is Not the Major Issue. Barentsz JO, van der Leest MMG, Israël B. *Eur Urol.* 2019 Aug 11. pii: S0302-2838(19)30600-1. doi: 10.1016/j.eururo.2019.07.039. [Epub ahead of print]
3. Is There Still a Need for Repeated Systematic Biopsies in Patients with Previous Negative Biopsies in the Era of Magnetic Resonance Imaging-targeted Biopsies of the Prostate? Exterkate L, Wegelin O, Barentsz JO, van der Leest MG, Kummer JA, Vreuls W, de Bruin PC, Bosch JLHR, van Melick HHE, Somford DM. *Eur Urol Oncol.* 2019 Jun 22. pii: S2588-9311(19)30080-X. doi: 10.1016/j.euo.2019.06.005. [Epub ahead of print]
4. Multiparametric magnetic resonance imaging and follow-up to avoid prostate biopsy in 4259 men. Venderink W, van Lijstelaar A, van der Leest M, Barentsz JO, Jenniskens SFM, Sedelaar MJP, Hulsbergen-van de Kaa C, Overduin CG, Fütterer JJ. *BJU Int.* 2019 Jun 25. doi: 10.1111/bju.14853. [Epub ahead of print]
5. USPIO-enhanced MRI of pelvic lymph nodes at 7-T: preliminary experience. Philips BWJ, Stijns RCH, Rietsch SHG, Brunheim S, Barentsz JO, Fortuin AS, Quick HH, Orzada S, Maas MC, Scheenen TWJ. *Eur Radiol.* 2019 Jun 14. doi: 10.1007/s00330-019-06277-7. [Epub ahead of print]
6. PI-RADS Steering Committee: The PI-RADS Multiparametric MRI and MRI-directed Biopsy Pathway. Padhani AR, Barentsz J, Villeirs G, Rosenkrantz AB, Margolis DJ, Turkbey B, Thoeny HC, Cornud F, Haider MA, Macura KJ, Tempany CM, Verma S, Weinreb JC. *Radiology.* 2019 Aug;292(2):464-474. doi: 10.1148/radiol.2019182946. Epub 2019 Jun 11.
7. Reply to Byung Kwan Park's Letter to the Editor re: Baris Turkbey, Andrew B. Rosenkrantz, Masoom A. Haider, et al. Prostate Imaging Reporting and Data System Version 2.1: 2019 Update of Prostate Imaging Reporting and Data System Version 2. *Eur Urol* 2019;76:329-40. Rosenkrantz AB, Turkbey B, Barentsz J, Weinreb JC. *Eur Urol.* 2019 Sep;76(3):e79. doi: 10.1016/j.eururo.2019.05.039. Epub 2019 Jun 8.
8. High Diagnostic Performance of Short Magnetic Resonance Imaging Protocols for Prostate Cancer Detection in Biopsy-naïve Men: The Next Step in Magnetic Resonance Imaging Accessibility. van der Leest M, Israël B, Cornel EB, Zámečník P, Schoots IG, van der Lelij H, Padhani AR, Rovers M, van Oort I, Sedelaar M, Hulsbergen-van de Kaa C, Hannink G, Veltman J, Barentsz J. *Eur Urol.* 2019 Jun 2. pii: S0302-2838(19)30436-1. doi: 10.1016/j.eururo.2019.05.029. [Epub ahead of print]
9. Prostate Imaging Reporting and Data System Version 2.1: 2019 Update of Prostate Imaging Reporting and Data System Version 2. Turkbey B, Rosenkrantz AB, Haider MA, Padhani AR, Villeirs G, Macura KJ, Tempany CM, Choyke PL, Cornud F, Margolis DJ, Thoeny HC, Verma S, Barentsz J, Weinreb JC. *Eur Urol.* 2019 Sep;76(3):340-351. doi: 10.1016/j.eururo.2019.02.033. Epub 2019 Mar 18. Review.
10. Modelling Study with an Interactive Model Assessing the Cost-effectiveness of ⁶⁸Ga Prostate-specific Membrane Antigen Positron Emission Tomography/Computed Tomography and Nano Magnetic Resonance Imaging for the Detection of Pelvic Lymph Node Metastases in Patients with Primary Prostate Cancer. Scholte M, Barentsz JO, Sedelaar JPM, Gotthardt M, Grutters JPC, Rovers MM. *Eur Urol Focus.* 2019 Feb 27. pii: S2405-4569(19)30033-1. doi: 10.1016/j.euf.2019.02.013. [Epub ahead of print]
11. Multiparametric Magnetic Resonance Imaging for Prostate Cancer Detection: What We See and What We Miss. Padhani AR, Haider MA, Villers A, Barentsz JO. *Eur Urol.* 2019 May;75(5):721-722. doi: 10.1016/j.eururo.2018.12.004. Epub 2018 Dec 16.

12. The FUTURE Trial: A Multicenter Randomised Controlled Trial on Target Biopsy Techniques Based on Magnetic Resonance Imaging in the Diagnosis of Prostate Cancer in Patients with Prior Negative Biopsies.
Wegelin O, Exterkate L, van der Leest M, Kummer JA, Vreuls W, de Bruin PC, Bosch JLHR, Barentsz JO, Somford DM, van Melick HHE. Eur Urol. 2019 Apr;75(4):582-590. doi: 10.1016/j.eururo.2018.11.040. Epub 2018 Dec 3.
13. Head-to-head Comparison of Transrectal Ultrasound-guided Prostate Biopsy Versus Multiparametric Prostate Resonance Imaging with Subsequent Magnetic Resonance-guided Biopsy in Biopsy-naïve Men with Elevated Prostate-specific Antigen: A Large Prospective Multicenter Clinical Study. van der Leest M, Cornel E, Israël B, Hendriks R, Padhani AR, Hoogenboom M, Zamecnik P, Bakker D, Setiasti AY, Veltman J, van den Hout H, van der Lelij H, van Oort I, Klaver S, Debruyne F, Sedelaar M, Hannink G, Rovers M, Hulsbergen-van de Kaa C, Barentsz JO. Eur Urol. 2019 Apr;75(4):570-578. doi: 10.1016/j.eururo.2018.11.023.
14. Reply to Jeremy Y.C. Teoh, Thomas R.W. Herrmann, and Marek Babjuk's Letter to the Editor re: Valeria Panebianco, Yoshifumi Narumi, Ersan Altun, et al. Multiparametric Magnetic Resonance Imaging for Bladder Cancer: Development of VI-RADS (Vesical Imaging-Reporting and Data System). Eur Urol 2018;74:294-306. Panebianco V, Barentsz J, Narumi Y, Catto JWF. Eur Urol. 2019 Feb;75(2):e29-e30. doi: 10.1016/j.eururo.2018.09.032. Epub 2018 Nov 22.
- 15.
16. Evaluation of Dispersion MRI for Improved Prostate Cancer Diagnosis in a Multicenter Study. Turco S, Lavini C, Heijmink S, Barentsz J, Wijkstra H, Mischì M. AJR Am J Roentgenol. 2018 Nov;211(5):W242-W251. doi: 10.2214/AJR.17.19215.
17. Reply to Andrea Necchi, Antonella Messina, and Alberto Briganti's Letter to the Editor re: Valeria Panebianco, Yoshifumi Narumi, Ersan Altun, et al. Multiparametric Magnetic Resonance Imaging for Bladder Cancer: Development of VI-RADS (Vesical Imaging-Reporting and Data System). Eur Urol 2018;74:294-306. Panebianco V, Barentsz J, Narumi Y, Catto J; VI-RADS authors. Eur Urol. 2018 Nov;74(5):e109. doi: 10.1016/j.eururo.2018.06.029. Epub 2018 Jul 17.
18. Prostate Imaging-Reporting and Data System Steering Committee: PI-RADS v2 Status Update and Future Directions. Padhani AR, Weinreb J, Rosenkrantz AB, Villeirs G, Turkbey B, Barentsz J. Eur Urol. 2019 Mar;75(3):385-396. doi: 10.1016/j.eururo.2018.05.035. Epub 2018 Jun 13.
19. Fast 3-T MR-guided transrectal prostate biopsy using an in-room tablet device for needle guide alignment: a feasibility study. Overduin CG, Heidkamp J, Rothgang E, Barentsz JO, de Lange F, Fütterer JJ. Eur Radiol. 2018 Nov;28(11):4824-4831. doi: 10.1007/s00330-018-5497-9. Epub 2018 May 22.
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21. Value of Serial Multiparametric Magnetic Resonance Imaging and Magnetic Resonance Imaging-guided Biopsies in Men with Low-risk Prostate Cancer on Active Surveillance After 1 Yr Follow-up. Hamoen EHJ, Hoeks CMA, Somford DM, van Oort IM, Vergunst H, Oddens JR, Smits GA, Bokhorst LP, Witjes JA, Rovers MM, Hulsbergen-van de Kaa CA, Barentsz JO. Eur Urol Focus. 2019 May;5(3):407-415. doi: 10.1016/j.euf.2017.12.008. Epub 2018 Jan 10.
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