

**Bilaga 3 Exkluderade studier**

Systemtiska översikter sid 1—3

Originalstudier sid 3—34

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**Systematiska översikter**

Aboumarzouk OM, Ogston S, Huang Z, Evans A, Melzer A, Stolzenberg JU, et al. Diagnostic accuracy of transrectal elastosonography (TRES) imaging for the diagnosis of prostate cancer: A systematic review and meta-analysis. *BJU Int*, 2012.

Ej relevant PICO

Bauman G, Belhocine T, Kovacs M, Ward A, Beheshti M, Rachinsky I. 18F-fluorocholine for prostate cancer imaging: a systematic review of the literature. *Prostate Cancer Prostatic Dis*, 2012; 15 (1): 45-55.

Uppfyller ej grundläggande kvalitetskrav enligt AMSTAR

Ghai S, Toi A. Role of transrectal ultrasonography in prostate cancer. *Radiol Clin North Am*, 2012; 50 (6): 1061-73.

Ej en systematisk översikt

Heijmink SW, Barentsz JO. Contrast-enhanced versus systematic transrectal ultrasound-guided prostate cancer detection: an overview of techniques and a systematic review. *Eur J Radiol*, 2007; 63 (3): 310-6.

Uppfyller ej grundläggande kvalitetskrav enligt AMSTAR

Heijmink SW, van Moerkerk H, Kiemeny LA, Witjes JA, Ferascher F, Barentsz JO. A comparison of the diagnostic performance of systematic versus ultrasound-guided biopsies of prostate cancer. *Eur Radiol*, 2006; 16 (4): 927-38.

Uppfyller ej grundläggande kvalitetskrav enligt AMSTAR

Lawrentschuk N, Flesher N. The role of magnetic resonance imaging in targeting prostate cancer in patients with previous negative biopsies and elevated prostate-specific antigen levels (Structured abstract). *BJU Int*, 2009; (6): 730-33.

Uppfyller ej grundläggande kvalitetskrav enligt AMSTAR

Machtens S, Boerner AR, Hofmann M, Knapp WH, Jonas U. Positron emission tomography (PET) for diagnosis and monitoring of treatment for urological tumors ORIGINAL (NON-ENGLISH) TITLE Positronenmissionstomographie (PET) zur Diagnostik und zum Therapiemonitoring bei urologischen Tumoren. *Urologe - Ausgabe A*, 2004; 43 (11): 1397-409.

Ej en systematisk översikt

Machtens S, Serth J, Meyer A, Kleinhorst C, Ommer KJ, Herbst U, et al. Positron emission tomography (PET) in the urooncological evaluation of the small pelvis. *World J Urol*, 2007; 25 (4): 341-9.

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Moore CM,Kasivisvanathan V,Eggerer S,Emberton M,Futterer JJ,Gill IS, et al. Standards of Reporting for MRI-targeted Biopsy Studies (START) of the Prostate: Recommendations from an International Working Group. Eur Urol, 2013.	Ej relevant PICO
Moore CM,Robertson NL,Arsanious N,Middleton T,Villers A,Klotz L, et al. Image-Guided Prostate Biopsy Using Magnetic Resonance Imaging-Derived Targets: A Systematic Review. Eur Urol, 2012.	Ej en systematisk översikt
Mowatt G,Scotland G,Boachie C,Cruickshank M,Ford J,Fraser C, et al. The diagnostic accuracy and cost-effectiveness of magnetic resonance spectroscopy and enhanced magnetic resonance imaging techniques in aiding the localisation of prostate abnormalities for biopsy: a systematic review and economic evaluation. Health Technol Assess, 2013; 17 (20): 1-281.	Ej relevant PICO
Nelson AW,Harvey RC,Parker RA,Kastner C,Doble A, Gnanapragasam VJ. Repeat prostate biopsy strategies after initial negative biopsy: meta-regression comparing cancer detection of transperineal, transrectal saturation and MRI guided biopsy. PLoS One, 2013; 8 (2): e57480.	Ej relevant PICO
Pondman KM,Futterer JJ,ten Haken B,Schultze Kool LJ,Witjes JA,Hambrock T, et al. MR-guided biopsy of the prostate: an overview of techniques and a systematic review. Eur Urol, 2008; 54 (3): 517-27.	Uppfyller ej grundläggande kvalitetskrav enligt AMSTAR
Sciarra A,Barentsz J,Bjartell A,Eastham J,Hricak H,Panebianco V, et al. Advances in magnetic resonance imaging: how they are changing the management of prostate cancer. Eur Urol, 2011; 59 (6): 962-77.	Ej en systematisk översikt
Seitz M,Shukla-Dave A,Bjartell A,Touijer K,Sciarra A,Bastian PJ, et al. Functional magnetic resonance imaging in prostate cancer. Eur Urol, 2009; 55 (4): 801-14.	Uppfyller ej grundläggande kvalitetskrav enligt AMSTAR
Selley S,Donovan J,Faulkner A,Coast J, Gillatt D. Diagnosis, management and screening of early localised prostate cancer (Structured abstract). Health Technology Assessment, 1997; (2): 1-96.	Ej relevant PICO
Umbehre M,Bachmann LM,Held U,Kessler TM,Sulser T,Weishaupt D, et al. Combined magnetic resonance imaging and magnetic resonance spectroscopy imaging in the diagnosis of prostate cancer: a systematic review and meta-analysis. Eur Urol, 2009; 55 (3): 575-90.	Uppfyller ej grundläggande kvalitetskrav enligt AMSTAR

Wang P,Guo YM,Liu M,Qiang YQ,Guo XJ,Zhang YL, et al. A meta-analysis of the accuracy of prostate cancer studies which use magnetic resonance spectroscopy as a diagnostic tool. Korean J Radiol, 2008; 9 (5): 432-8.

Uppfyller ej grundläggande kvalitetskrav enligt AMSTAR

Zengerling F,Schrader AJ,Schrader M, Jentzmik F. [Diagnostic relevance of choline-PET / CT in patients with prostate cancer]. Aktuelle Urol, 2012; 43 (1): 49-54.

Uppfyller ej grundläggande kvalitetskrav enligt AMSTAR

## Originalstudier

Prostate carcinoma: Improved diagnosis with combined MR tomography and MR spectroscopy? ORIGINAL (NON-ENGLISH) TITLE Prostatakarzinom - Kombinierte MR-Tomografie/-Spektroskopie: Diagnose verbessern? RoFo Fortschritte auf dem Gebiet der Rontgenstrahlen und der Bildgebenden Verfahren, 2009; 181 (9): 837.

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Aigner F,Pallwein L,Junker D,Schafer G,Mikuz G,Pedross F, et al. Value of real-time elastography targeted biopsy for prostate cancer detection in men with prostate specific antigen 1.25 ng/ml or greater and 4.00 ng/ml or less. J Urol, 2010; 184 (3): 913-7.

Ej relevant PICO

Aigner F,Pallwein L,Mitterberger M,Pinggera GM,Mikuz G,Horninger W, et al. Contrast-enhanced ultrasonography using cadence-contrast pulse sequencing technology for targeted biopsy of the prostate. BJU Int, 2009; 103 (4): 458-63.

Ej relevant PICO

Aigner F,Pallwein L,Schocke M,Lebovici A,Junker D,Schafer G, et al. Comparison of real-time sonoelastography with T2-weighted endorectal magnetic resonance imaging for prostate cancer detection. J Ultrasound Med, 2011; 30 (5): 643-9.

Ej relevant PICO

Akin O,Sala E,Moskowitz CS,Kuroiwa K,Ishill NM,Pucar D, et al. Transition zone prostate cancers: features, detection, localization, and staging at endorectal MR imaging. Radiology, 2006; 239 (3): 784-92.

Ej relevant PICO

Altman AL, Resnick MI. Ultrasonographically guided biopsy of the prostate gland. *J Ultrasound Med*, 2001; 20 (2): 159-67. Ej originalstudie

Amsellem-Ouazana D, Younes P, Conquy S, Peyromaure M, Flam T, Debre B, et al. Negative prostatic biopsies in patients with a high risk of prostate cancer. Is the combination of endorectal MRI and magnetic resonance spectroscopy imaging (MRSI) a useful tool? A preliminary study. *Eur Urol*, 2005; 47 (5): 582-6. Ej relevant PICO

Amzat R, Taleghani P, Miller DL, Beitler JJ, Bellamy LM, Nye JA, et al. Pilot Study of the Utility of the Synthetic PET Amino-Acid Radiotracer Anti-1-Amino-3-[F]Fluorocyclobutane-1-Carboxylic Acid for the Noninvasive Imaging of Pulmonary Lesions. *Mol Imaging Biol*, 2013. Ej relevant PICO

Anastasiadis AG, Lichy MP, Nagele U, Kuczyk MA, Merseburger AS, Hennenlotter J, et al. MRI-guided biopsy of the prostate increases diagnostic performance in men with elevated or increasing PSA levels after previous negative TRUS biopsies. *Eur Urol*, 2006; 50 (4): 738-48; discussion 48-9. Ej relevant PICO

Antunes AA, Barbosa JA, Reis ST, Guariero MS, Fukushima JT, Dall'oglio MF, et al. Prostate biopsy in patients with long-term use of indwelling bladder catheter: what is the rationale? *Urol Oncol*, 2012; 30 (5): 620-3. Ej relevant PICO

Arger PH, Malkowicz SB, VanArsdalen KN, Sehgal CM, Holzer A, Schultz SM. Color and power Doppler sonography in the diagnosis of prostate cancer: comparison between vascular density and total vascularity. *J Ultrasound Med*, 2004; 23 (5): 623-30. Ej relevant PICO

Arsov C, Blondin D, Rabenalt R, Antoch G, Albers P, Quentin M. [Standardised scoring of a multi-parametric 3-T MRI for a targeted MRI-guided prostate biopsy.]. *Urologe A*, 2012. Ej relevant PICO

Arsov C, Quentin M, Rabenalt R, Antoch G, Albers P, Blondin D. Repeat transrectal ultrasound biopsies with additional targeted cores according to results of functional prostate MRI detects high-risk prostate cancer in patients with previous negative biopsy and increased PSA - a pilot study. *Anticancer Res*, 2012; 32 (3): 1087-92. Ej relevant PICO

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Bai Y,Wang MY,Han YH,Dou SW,Lin Q,Guo Y, et al. Susceptibility weighted imaging: a new tool in the diagnosis of prostate cancer and detection of prostatic calcification. *PLoS One*, 2013; 8 (1): e53237. Ej relevant PICO

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Beyersdorff D,Taupitz M,Winkelmann B,Fischer T,Lenk S,Loening SA, et al. Patients with a history of elevated prostate-specific antigen levels and negative transrectal US-guided quadrant or sextant biopsy results: Value of. *Radiology*, 2002; 224 (3): 701-06. Ej relevant PICO

Beyersdorff D,Winkel A,Hamm B,Lenk S,Loening SA, Taupitz M. MR imaging-guided prostate biopsy with a closed MR unit at 1.5 T: initial results. *Radiology*, 2005; 234 (2): 576-81. Ej relevant PICO

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Brock M, Eggert T, Loppenberg B, Braun K, Roghmann F, Palisaar RJ, et al. [Value of real-time elastography to guide the systematic prostate biopsy in men with normal digital rectal exam]. *Aktuelle Urol*, 2013; 44 (1): 40-4.

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Alltför oklar beskrivning av metod/population

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Chen YJ, Pu YS, Chueh SC, Shun CT, Chu WC, Tseng WY. Diffusion MRI predicts transrectal ultrasound biopsy results in prostate cancer detection. *J Magn Reson Imaging*, 2011; 33 (2): 356-63. Ej relevant PICO

Cheng S, Rifkin MD. Color Doppler imaging of the prostate: important adjunct to endorectal ultrasound of the prostate in the diagnosis of prostate cancer. *Ultrasound Q*, 2001; 17 (3): 185-9. Alltför oklar beskrivning av metod/population

Cho JY, Kim SH, Lee SE. Diffuse prostatic lesions: role of color Doppler and power Doppler ultrasonography. *J Ultrasound Med*, 1998; 17 (5): 283-7. Ej relevant PICO

Cho JY, Kim SH, Lee SE. Peripheral hypoechoic lesions of the prostate: evaluation with color and power Doppler ultrasound. *Eur Urol*, 2000; 37 (4): 443-8. Ej relevant PICO

Choi MS, Choi YS, Yoon BI, Kim SJ, Cho HJ, Hong SH, et al. The Clinical Value of Performing an MRI before Prostate Biopsy. *Korean J Urol*, 2011; 52 (8): 572-7. Ej relevant PICO

Cirillo S, Petracchini M, Della Monica P, Gallo T, Tartaglia V, Vestita E, et al. Value of endorectal MRI and MRS in patients with elevated prostate-specific antigen levels and previous negative biopsies to localize peripheral zone tumours. *Clin Radiol*, 2008; 63 (8): 871-9. Ej relevant PICO

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Fiard G,Hohn N,Descotes JL,Rambeaud JJ,Troccaz J, Long JA. Targeted MRI-guided Prostate Biopsies for the Detection of Prostate Cancer: Initial Clinical Experience With Real-time 3-Dimensional Transrectal Ultrasound Guidance and Magnetic Resonance/Transrectal Ultrasound Image Fusion. <i>Urology</i> , 2013; 81 (6): 1372-8.	Ej relevant PICO
Fillon M. Contrast-enhanced ultrasound may aid prostate cancer detection. <i>J Natl Cancer Inst</i> , 2013; 105 (7): 444-6.	Ej originalstudie
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Franco OE,Arima K,Yanagawa M, Kawamura J. The usefulness of power Doppler ultrasonography for diagnosing prostate cancer: histological correlation of each biopsy site. <i>BJU Int</i> , 2000; 85 (9): 1049-52.	Ej relevant PICO
Franiel T,Stephan C,Erbersdobler A,Dietz E,Maxeiner A,Hell N, et al. Areas suspicious for prostate cancer: MR-guided biopsy in patients with at least one transrectal US-guided biopsy with a negative finding--multiparametric MR imaging for detection and biopsy planning. <i>Radiology</i> , 2011; 259 (1): 162-72.	Ej relevant PICO
Frauscher F,Klauser A,Halpern EJ,Horninger W, Bartsch G. Detection of prostate cancer with a microbubble ultrasound contrast agent. <i>Lancet</i> , 2001; 357 (9271): 1849-50.	Ej originalstudie
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