

## Diagnostic accuracy

*MEDLINE 1946 to week 1 March 2012, MEDLINE In-Process Citations 14 March 2012, EMBASE 1980 to week 10 2012*

Ovid Multifile Search.

URL: <https://shibboleth.ovid.com/>

1. prostatic neoplasms/ use mesz
2. exp prostate cancer/ use emez
3. (prostat\$ adj3 (cancer or carcinoma\$ or neoplasm\$ or malignan\$)).tw.
4. Prostate-Specific Antigen/
5. psa.tw.
6. prostat\$ specific antigen\$.tw.
7. or/1-6
8. Magnetic Resonance Imaging/ use mesz
9. Nuclear Magnetic Resonance imaging/ use emez
10. exp Diffusion Magnetic Resonance Imaging/ use mesz
11. Diffusion Weighted Imaging/ use emez
12. exp Magnetic Resonance Spectroscopy/ use mesz
13. Nuclear Magnetic Resonance Spectroscopy/ use emez
14. Prostate/us use mesz
15. Transrectal Ultrasonography/ use emez
16. magnetic resonance imag\$.tw.
17. magnetic resonance spectroscop\$.tw.
18. mrs.tw.
19. (dynamic contrast enhanced adj3 (MRI or magnetic)).tw.
20. dce-mri.tw.
21. (diffusion weight\$ adj3 (MRI or magnetic)).tw.
22. dw-mri.tw.
23. (transrectal adj1 (ultrasound or ultrason\$)).tw.
24. trus.tw.
25. (previous\$ or initial\$) adj3 negative\$).tw
26. or/8-25
27. 7 and 26
28. biopsy/
29. biopsy, needle/ or biopsy, fine-needle/ use mesz
30. needle biopsy/ use emez
31. (biopsy or biopsies).tw.
32. (histopathol\$ or pathol).tw.
33. (locali?ation or locali?ing).tw.
34. or/28-33
35. 27 and 34
36. exp animals/ not humans/
37. nonhuman/ not human/
38. 35 not (36 or 37)
39. 38 not case report/
40. (comment or editorial or letter or note).pt.

41. 39 not 40
42. limit 41 to english language
43. limit 42 to yr = 1995 - current
44. remove duplicates from 43

**Science Citation Index (1995 – 14 March 2012), BIOSIS (1995 – 9 March 2012),  
Conference Proceedings Citation Index-Science (1995–14 March 2012)**

ISI Web of Knowledge. URL: <http://wok.mimas.ac.uk/>

- #1 (TS = (prostat\* NEAR/3 (cancer OR carcinoma\* OR neoplasm\* OR malignan\*)))
- #2 (TS = PSA)
- #3 (TS = (prostat\* NEAR/1 specific) AND TS = (specific NEAR/1 antigen\*))
- #4 #3 OR #2 OR #1
- #5 (TS = "magnetic resonance spectroscopy")
- #6 (TS = "dce-mri")
- #7 (TS = "dynamic contrast enhanced magnetic")
- #8 (TS = "dynamic contrast enhanced MRI")
- #9 (TS = "dw-mri")
- #10 (TS = (Diffusion NEAR/1 weight\*) AND TS = (weight\* NEAR/1 magnetic))
- #11 (TS = (Diffusion NEAR/1 weight\*) AND TS = (weight\* NEAR/1 MRI))
- #12 (TS = "diffusion weighted imaging")
- #13 (TS = "magnetic resonance imaging")
- #14 (TS = mri)
- #15 (TS = mrs)
- #16 (TS = (transrectal NEAR/1 ultrasonograph\*))
- #17 (TS = (transrectal NEAR/1 ultrasound))
- #18 (TS = TRUS)
- #19 #18 OR #17 OR #16 OR #15 OR #14 OR #13 OR #12 OR #11 OR #10 OR #9 OR #8 OR #7 OR #6 OR #5
- #20 #19 AND #4
- #21 (TS = (localising or localizing or staging))
- #22 (TS = (localisation or localization))
- #23 (TS = (histopathol\* or pathol\*))
- #24 (TS = (biopsy or biopsies))
- #25 #24 OR #23 OR #21 OR #22
- #26 #25 AND #20 AND Language = (English)

**The Cochrane Library (Issue 3 2012)**

URL: <http://www3.interscience.wiley.com/>

- #1 MeSH descriptor Prostatic Neoplasms, this term only
- #2 MeSH descriptor Prostate-Specific Antigen, this term only
- #3 (psa):ti,ab,kw or (prostat\* specific antigen\*):ti,ab,kw
- #4 (prostat\* NEAR/4 cancer):ti,ab,kw or (prostat\* NEAR/4 carcinoma\*):ti,ab,kw or (prostat\* NEAR/4 neoplasm\*):ti,ab,kw or (prostat\* NEAR/4 malignan\*):ti,ab,kw
- #5 (#1 OR #2 OR #3 OR #4)
- #6 MeSH descriptor Magnetic Resonance Imaging, this term only
- #7 MeSH descriptor Diffusion Magnetic Resonance Imaging explode all trees
- #8 MeSH descriptor Magnetic Resonance Spectroscopy explode all trees
- #9 MeSH descriptor Prostate, this term only with qualifier: US
- #10 (magnetic resonance NEAR/4 imag\*):ti,ab,kw or (magnetic resonance NEAR/4 spectroscop\*):ti,ab,kw or (mrs):ti,ab,kw

- #11 (dynamic contrast enhanced NEAR/4 MRI):ti,ab,kw or (dynamic contrast enhanced NEAR/4 magnetic):ti,ab,kw or (dce-mri):ti,ab,kw or (dce mri):ti,ab,kw
- #12 (diffusion weight NEAR/4 MRI):ti,ab,kw or (diffusion weight NEAR/4 magnetic):ti,ab,kw or (dw-mri):ti,ab,kw or (dw mri):ti,ab,kw
- #13 (transrectal ultrasound):ti,ab,kw or "trus":ti,ab,kw
- #14 (#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13)
- #15 (#5 AND #14)
- #16 MeSH descriptor Biopsy, this term only
- #17 MeSH descriptor Biopsy, Needle explode all trees
- #18 MeSH descriptor Neoplasm Staging this term only
- #19 (biopsy):ti,ab,kw or (biopsies):ti,ab,kw or (histopathol\*):ti,ab,kw or (pathol\*):ti,ab,kw
- #20 (localisation):ti,ab,kw or (localization):ti,ab,kw or (localising):ti,ab,kw or (localizing):ti,ab,kw or (staging):ti,ab,kw
- #21 (#16 OR #17 OR #18 OR #19)
- #22 (#15 AND #21)

### **Health Technology Assessment/Database of Abstracts of Reviews of Effects databases (March 2012)**

Centre for Reviews & Dissemination. URL: <http://nhscrd.york.ac.uk/welcome.htm>

1. MeSH DESCRIPTOR prostatic neoplasms WITH QUALIFIER undefined 3
2. MeSH DESCRIPTOR Prostate-Specific Antigen EXPLODE ALL TREES
3. #1 OR #2
4. MeSH DESCRIPTOR Magnetic Resonance Imaging EXPLODE ALL TREES
5. MeSH DESCRIPTOR Magnetic Resonance Spectroscopy EXPLODE ALL TREES
6. MeSH DESCRIPTOR Diffusion Magnetic Resonance Imaging EXPLODE ALL TREES
7. MeSH DESCRIPTOR prostate EXPLODE ALL TREES WITH QUALIFIERS undefined, US
8. ("dynamic contrast enhanced") OR (dce-mri) OR ("diffusion weighted") OR (dw-mri)
9. ("transrectal ultrasound") OR ("transrectal ultrasonography") OR (trus)
10. #4 OR #5 OR #6 OR #7 OR #8 OR #9
11. #3 AND #10

### **Medion (March 2012)**

URL: [www.mediondatabase.nl/](http://www.mediondatabase.nl/)

KW = male genital system OR urology

AND medical imaging

### **Clinical Trials (March 2012)**

URL: <http://clinicaltrials.gov/ct/gui/c/r>

Disease = prostatic neoplasms Intervention = magnetic

### **Current Controlled Trials (March 2012)**

URL: [www.controlled-trials.com/](http://www.controlled-trials.com/)

Prostat% and magnetic

### **International Clinical Trials Registry Platform (ICTRP) (March 2012)**

World Health Organization URL: [www.who.int/ictrp/en/](http://www.who.int/ictrp/en/)

Prostat\* AND magnetic

## **National Institutes of Health Research Portfolio Online Reporting Tool (NIH RePORTER) (March 2012)**

URL: <http://projectreporter.nih.gov/reporter.cfm>

Prostat% and magnetic

### **Conference proceedings**

American Society of Clinical Oncology.

URL: [www.asco.org](http://www.asco.org)

- Annual Meeting, Orlando, FL, 29 May to 2 June 2009
- Annual Meeting, Chicago, IL, 4–8 June 2010
- Annual Meeting, Chicago, IL, 3–7 June 2011

### **Websites consulted**

American Society of Clinical Oncology. URL: [www.asco.org](http://www.asco.org)

American Urological Association. URL: [www.auanet.org/](http://www.auanet.org/)

Cancer Research UK. URL: <http://info.cancerresearchuk.org/cancerstats/>

European Association of Urology. URL: [www.uroweb.org/](http://www.uroweb.org/)

## **Economic evaluations**

### **NIHR Economic Evaluations Database (March 2012)**

Centre for Reviews & Dissemination. URL: <http://nhscrd.york.ac.uk/welcome.htm>

1. MeSH DESCRIPTOR Prostatic Neoplasms EXPLODE ALL TREES WITH QUALIFIERS TH, SU,RT,DT IN NHSEED
2. MeSH DESCRIPTOR Prostatic Neoplasms EXPLODE ALL TREES WITH QUALIFIERS DI, RA, RI, US IN NHSEED
3. #1 OR #2

### **Health Management Information Consortium 1979 – January 2012**

Ovid. URL: <https://shibboleth.ovid.com/>

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1	prostate cancer/
2	(prostat\$ adj3 (cancer or carcinoma\$ or neoplasm\$ or malignan\$)).tw.
3	1 or 2
4	exp economic analysis/
5	economic models/

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6	(cost\$ adj2 (effective\$ or utilit\$ or benefit\$ or minimis\$)).tw.
7	(economics\$ or pharmacoeconomic\$ or pharmo-economic\$).ti.
8	(price\$ or pricing\$).tw.
9	(financial or finance or finances or financed).tw.
10	(value adj2 (money or monetary)).tw.
11	markov\$.tw.
12	monte carlo.tw.
13	(decision\$ adj2 (tree? or analy\$ or model\$)).tw.
14	or/4-13
15	3 and 14

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***MEDLINE 1966 to March week 1 2012, MEDLINE In-Process Citations 16 March 2012, EMBASE 1980 to 2012 week 11***

Ovid Multifile Search. URL: <https://shibboleth.ovid.com/>

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1	prostatic neoplasms/ use mesz
2	exp prostate cancer/ use emez
3	(prostat\$ adj3 (cancer or carcinoma\$ or neoplasm\$ or malignan\$)).tw.
4	Prostate-Specific Antigen/
5	psa.tw.
6	prostat\$ specific antigen\$.tw.
7	or/1-6
8	Magnetic Resonance Imaging/ use mesz
9	Nuclear Magnetic Resonance imaging/ use emez
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15	Transrectal Ultrasonography/ use emez
16	magnetic resonance imag\$.tw.
17	magnetic resonance spectroscop\$.tw.
18	mrs.tw.
19	(dynamic contrast enhanced adj3 (MRI or magnetic)).tw.
20	dce-mri.tw.
21	(diffusion weight\$ adj3 (MRI or magnetic)).tw.
22	dw-mri.tw.
23	transrectal adj (ultrasound or ultason\$).tw.

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24	trus.tw.
25	or/8-24
26	7 and 25
27	prostatic neoplasms/di, ra, ri, us use mesz
28	exp prostate cancer/di use emez
29	26 or 27 or 28
30	exp "costs and cost analysis"/ use mesz
31	exp economic evaluation/ use emez
32	economics/
33	health economics/ use emez
34	exp economics,hospital/ use mesz
35	exp economics,medical/ use mesz
36	economics,pharmaceutical/ use mesz
37	exp budgets/
38	exp models, economic/ use mesz
39	exp decision theory/
40	monte carlo method/
41	markov chains/
42	exp technology assessment, biomedical/
43	cost\$.ti.
44	(cost\$ adj2 (effective\$ or utilit\$ or benefit\$ or minimis\$)).ab.
45	economics model\$.tw.
46	(economic\$ or pharmacoeconomic\$).tw.
47	(price or prices or pricing).tw.
48	(value adj1 money).tw.
49	markov\$.tw.
50	monte carlo.tw.
51	(decision\$ adj2 (tree? or analy\$ or model\$)).tw.
52	or/30-51
53	29 and 52

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## Quality of life

**MEDLINE 1966 to week 1 March 2012, MEDLINE In-Process Citations 16 March 2012, EMBASE 1980 to week 11 2012**

Ovid Multifile Search. URL: <https://shibboleth.ovid.com/>

1. prostatic neoplasms/ use mesz
2. exp prostate cancer/ use emez

3. (prostat\$ adj3 (cancer or carcinoma\$ or neoplasm\$ or malignan\$)).tw.
4. Prostate-Specific Antigen/
5. psa.tw.
6. prostat\$ specific antigen\$.tw.
7. or/1-6
8. Magnetic Resonance Imaging/ use mesz
9. Nuclear Magnetic Resonance imaging/ use emez
10. exp Diffusion Magnetic Resonance Imaging/ use mesz
11. Diffusion Weighted Imaging/ use emez
12. exp Magnetic Resonance Spectroscopy/ use mesz
13. Nuclear Magnetic Resonance Spectroscopy/ use emez
14. Prostate/us use mesz
15. Transrectal Ultrasonography/ use emez
16. magnetic resonance imag\$.tw.
17. magnetic resonance spectroscop\$.tw.
18. mrs.tw.
19. (dynamic contrast enhanced adj3 (MRI or magnetic)).tw.
20. dce-mri.tw.
21. (diffusion weight\$ adj3 (MRI or magnetic)).tw.
22. dw-mri.tw.
23. transrectal adj (ultrasound or ultason\$).tw.
24. trus.tw.
25. or/8-24
26. 7 and 25
27. quality of life/
28. quality adjusted life year/
29. "Value of Life"/ use mesz
30. health status indicators/ use mesz
31. health status/ use emez
32. sickness impact profile/ use mesz
33. disability evaluation/ use mesz
34. disability/ use emez
35. activities of daily living/ use mesz
36. exp daily life activity/ use emez
37. cost utility analysis/ use emez
38. rating scale/
39. questionnaires/
40. (quality adj1 life).tw.
41. quality adjusted life.tw.
42. disability adjusted life.tw.
43. (qaly? or qald? or qale? or qtime? or daly?).tw.
44. (euroqol or euro qol or eq5d or eq 5d).tw.
45. (hql or hqol or h qol or hrqol or hr qol).tw.
46. (hye or hyes).tw.
47. health\$ year\$ equivalent\$.tw.
48. (hui or hui1 or hui2 or hui3).tw.
49. (health adj3 (utilit\$ or disutili\$)).tw.
50. (health adj3 (state or status)).tw.
51. (sf36 or sf 36 or short form 36 or shortform 36).tw.
52. (sf6 or sf 6 or short form 6 or shortform 6).tw.
53. (sf12 or sf 12 or short form 12 or shortform 12).tw.
54. (sf16 or sf 16 or short form 16 or shortform 16).tw.
55. (sf20 or sf 20 or short form 20 or shortform 20).tw.

56. willingness to pay.tw.
57. standard gamble.tw.
58. trade off.tw.
59. conjoint analys?s.tw.
60. discrete choice.tw.
61. or/27-60
62. (case report or editorial or letter).pt.
63. case report/
64. 61 not (62 or 63)
65. 26 and 64
66. remove duplicates from 65
67. limit 66 to english language