Non-invasive bladder function test (penile cuff test, CT3000) for men with lower urinary tract symptoms - horizon scanning review

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Authors' objectives
To summarise the currently available evidence on non-invasive bladder function test (penile cuff test, CT3000) for men with lower urinary tract symptoms.

Authors' conclusions
Non-invasive bladder pressure flow analysis for men (the penile cuff test, CT3000) indirectly measures intra-vesical pressure using controlled inflation of a flexible cuff placed around the penis during voiding of urine, until flow is interrupted. The CT3000 is a diagnostic technique that could be used as a screening technique for men with lower urinary tract symptoms (LUTS) prior to more time consuming, invasive and expensive studies, and as a guide for the chance of a good outcome with prostatectomy. A study in 150 men showed that a penile urethral compression release index of greater than 160% diagnosed bladder outlet obstruction with a 78% sensitivity, 84% specificity and a positive predictive value of 69%.

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