**Endoscopic urethrotomy vs open urethroplasty for men with bulbar urethral stricture: The OPEN randomised trial cost-effectiveness analysis**

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Supplementary materials

Table S1: Model parameters

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| **Parameter name** | **Value** | **Source and distribution** |
| Cost of urethroplasty (including initial surgery with catheter removal and hospital stay) | Base case - £5871 (£229)By treatment received - £5808 (£219) | Based on value from the trial; Gamma distribution;  |
| Cost of urethrotomy (including initial surgery with catheter removal and hospital stay) | Base case - £1316 (£96)By treatment received - £1367 (£90) | Based on value from the trial; Gamma distribution; |
| Utility associated with cured (symptom free) health state | Base case – 0.899 (0.013)By treatment received – same as base case | Based on value from the trial; Beta distribution; utility values at 3 months after surgery of those who showed a significant improvement in voiding scores. |
| Utility associated with symptomatic health state | Base case – 0.852 (0.014)By treatment received – same as base case | Based on value from the trial; Beta distribution; Utility values at baseline |
| Cost of health service use and patient’s out of pocket expenses following urethroplasty | Base case - £130 (£46)By treatment received - £141 (£45) | Based on value from the trial; Gamma distribution; |
| Cost of health service use and patient’s out of pocket expenses following urethrotomy | Base case - £227 (£42)By treatment received - £210 (£38) | Based on value from the trial; Gamma distribution; |
| Surgery success rate for urethroplasty | Base case - 0.95 (0.03)By treatment received – 0.94 (0.03) | Based on value from the trial; Beta distribution; |
| Surgery success rate for urethrotomy | Base case - 0.91 (0.03)By treatment received – 0.92 (0.03) | Based on value from the trial; Beta distribution; |
| Probability of being treated when symptomatic | Base case - 0.90 (0.02)By treatment received – same as base case | Based on value from the trial; Beta distribution; |
| Probability of receiving urethroplasty if the last treatment is urethroplasty | Base case - 0.12 (0.12)By treatment received – 0.11 (0.11) | Based on value from the trial; Beta distribution; |
| Probability of receiving urethroplasty if the last treatment is urethrotomy | Base case - 0.70 (0.08)By treatment received – 0.63 (0.07) | Based on value from the trial; Beta distribution; |
| Probability of recurrence following urethroplasty | Base case – 0.042By treatment received – 0.041 | Based on survival analysis from the trial; |
| Probability of recurrence following urethrotomy | Base case – 0.1497By treatment received – 0.150 | Based on survival analysis from the trial; |

Figure S1: Incremental costs and QALY plots (Base case)



Figure S2: Incremental costs and QALY plots (Markov Model base case)

Figure S3, Markov model structure

