Emergency Surgery in the 21st Century

Who Provides Emergency Urological Surgery?

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RCS Ed

PRESIDENT’S MEETING and Audit Symposium 2014
In collaboration with the Surgical Specialty Associations

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Emergency Urological Surgery
Emergency Urological Surgery
Emergency Urology [approx 25% Gen Surg]

- Trauma
  - Renal
  - Ureteric
  - Bladder, urethral
  - Scrotal, Penile fracture

- Torsion

- Ureteric Colic

- UTI & Pyelonephritis

- Pyonephrosis

- Haematuria and clot retention

- Fournier’s gangrene

- Urinary retention; acute and Chronic

- Epididymo-orchitis / scrotal abscess

- Paraphimosis
Survey Monkey Questionnaire of Emergency Urological On Call

- Approx 160 urology units
- 330 consultant urology responses [343]
What type of hospital do you work in?
330 consultant responses

- Large DGH
  - 350K
  - 40%
  - 64 units?
- Small DGH
  - < 350K
  - 22%
  - 35 units?
- Univ. Teaching Hospital
  - 38%
  - 61 units?
In which Region do you work?

- East Midlands (EM)
- East of England (EE)
- Irish Republic (IR)
- London North (LN)
- London South (LS)
- North East (NE)
- Northern Ireland (NI)
- North West (NW)
- Scotland West (SW)
- Scotland East (SC)
- South Central (YH)
- South East Coast (WM)
- South West (YS)
- West Midlands (WM)
- Wales (WA)
- Scotland West (SC)
- South Central (SW)
- South East Coast (YH)
- South West (WM)
- West Midlands (WM)
- Wales (WA)
What is your intensity of on call in the week 1 in ...

1
2
3
4
5
6
7
8
9
What urology cover is available during the day?

Overall:

- Is the Consultant free from elective duties? 84.7% (266)
- Do you have a middle grade on call during the day? 88.1% (275)
- Is the SpR/middle grade free from elective duties during the day? 72.6% (225)
- Is the Consultant free from elective duties? 15.3% (48)
- Is the SpR/middle grade free from elective duties during the day? 27.4% (85)
What urology cover is available during the day? Teaching Hospitals
What urology cover is available during the day? Small DGHs < 350K

- Is the Consultant free from elective duties? 95.2% (60)
- Do you have a middle grade on call during the day? 75.8% (47)
- Is the SpR/middle grade free from elective duties during the day? 90.0% (54)
Junior Cover available for on call after 8pm

Overall:

<table>
<thead>
<tr>
<th>Category</th>
<th>Yes (%)</th>
<th>No (%)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY1 / FY2</td>
<td>82.3 %</td>
<td>17.7 %</td>
<td>223</td>
</tr>
<tr>
<td>CT1 / CT2</td>
<td>64.8 %</td>
<td>35.2 %</td>
<td>162</td>
</tr>
<tr>
<td>Dedicated Urology middle grade</td>
<td>55.3 %</td>
<td>44.7 %</td>
<td>163</td>
</tr>
<tr>
<td>Generic General Surgical middle grade</td>
<td>58.1 %</td>
<td>41.9 %</td>
<td>129</td>
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</table>
Junior Cover available for on call after 8pm
Teaching Hospitals

<table>
<thead>
<tr>
<th>Category</th>
<th>Yes (%)</th>
<th>No (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY1 / FY2</td>
<td>82.2% (74)</td>
<td></td>
</tr>
<tr>
<td>CT1 / CT2</td>
<td>76.8% (63)</td>
<td></td>
</tr>
<tr>
<td>Dedicated Urology middle grade</td>
<td>86.1% (99)</td>
<td></td>
</tr>
<tr>
<td>Generic General Surgical</td>
<td>41.5% (27)</td>
<td></td>
</tr>
</tbody>
</table>

Urology Middle Grade
Junior Cover available for on call after 8pm
Small DGHs <350K

- FY1 / FY2: 23.3% (14)
- CT1 / CT2: 50.9% (28)
- Dedicated Urology Middle Grade: 85.5% (47)
- Generic General Surgical Middle Grade: 72.4% (42)
- Urology Middle Grade: 14.5% (8)
Junior Cover available for on call after 8pm
Large DGHs > 350K
Out of Hours Activity

<table>
<thead>
<tr>
<th>Approximate number of &quot;out of hours&quot; calls per month?</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.0% (0)</td>
<td>2.3% (3)</td>
<td>3.8% (5)</td>
<td>6.2% (8)</td>
<td>5.4% (7)</td>
<td>10.8% (14)</td>
<td>8.5% (11)</td>
<td>5.4% (7)</td>
<td>6.9% (9)</td>
<td>0.0% (0)</td>
<td>21.5% (28)</td>
<td>0.8% (1)</td>
</tr>
<tr>
<td>Approximate number of &quot;recalls to hospital&quot; per month?</td>
<td>3.1% (4)</td>
<td>17.7% (23)</td>
<td>25.4% (33)</td>
<td>13.8% (18)</td>
<td>12.3% (16)</td>
<td>10.0% (13)</td>
<td>4.6% (6)</td>
<td>2.3% (3)</td>
<td>5.4% (7)</td>
<td>0.0% (0)</td>
<td>2.3% (3)</td>
<td>0.0% (0)</td>
</tr>
<tr>
<td>Approximate number of &quot;recalls to hospital&quot; between midnight and 7am per month?</td>
<td>20.9% (27)</td>
<td>44.2% (57)</td>
<td>20.2% (26)</td>
<td>4.7% (6)</td>
<td>3.1% (4)</td>
<td>2.3% (3)</td>
<td>2.3% (3)</td>
<td>0.0% (0)</td>
<td>0.0% (0)</td>
<td>0.0% (0)</td>
<td>1.6% (2)</td>
<td>0.0% (0)</td>
</tr>
</tbody>
</table>
Requirements for emergency urological surgery

- Admission under a consultant urologist (< 30mins)
  - After assessment by an appropriate SPR (Urol or Gen Surg)

- Ideally to dedicated urology beds (critical care access)

- Availability of an emergency theatre (with radiology)

- Access to on call interventional radiology

- Full laboratory access

- All admissions should have senior assessment within 12-24 hours (24/7)

- Regular audit of all emergency admissions

- Imperative the patient is at the centre of any future service redesign and not the vested interests of individual surgeons.
Who provides emergency urological surgery?

- Urologists
- General Surgeons
- Paediatric surgeons
- Interventional Radiologists
- Medical Directors