

Ref: FOI/GS/ID 8454

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Freedom of Information Act 2000

I am writing in response to your request for information made under the Freedom of Information Act 2000 in relation to Emergency Robotic Surgery in General Surgery.

*You asked: All questions are shown as received by the Trust.
If possible, I would like to make an FOI request to obtain the following information email for the time period of 2019-2022:*

1. *The total numbers of Emergency general surgery operations performed between January 1st 2019-January 1st 2023. Broken down by: Open, laparoscopic and robotic*
2. *Type of robot available in your trust and used in emergency general surgery cases (Examples include Da Vinci, Versius, Freehand, Soloassist, Microhand S, AESOP, Zeus).*
3. *Number of robotic general surgery cases performed between January 1st 2019-January 1st 2023.*
4. *Number the following performed between January 1st 2019-January 1st 2023. Broken down by: Open, laparoscopic and robotic*
 1. *hot cholecystectomies*
 2. *laparotomies*
 3. *appendectomies*
 4. *hernia repairs*
 5. *abscess*
 6. *scrotal explorations (which may be under torsions or orchidopexy)*
5. *Mean length of stay of patients who have undergone the following performed between January 1st 2019-January 1st 2023. Broken down by: Open, laparoscopic and robotic.*
 1. *hot cholecystectomies*
 2. *laparotomies*
 3. *appendectomies*

4. *hernia repairs*
5. *abscess*
6. *scrotal explorations (which may be under torsions or orchidopexy)*
6. *The number and type of complications that occurred in robotic emergency general surgery cases between January 1st 2019-January 1st 2023. Including but not limited to conversions to another type of surgery, device-related complications, injury to surrounding structures or tissue, serums, infection, leakage, hernias.*
7. *Number of staff trained to assist with robotic cases.*
8. *The average (Over 4 weeks) number of staff trained to assist n robotic surgery available out of hours (weekends/nights).*

To elaborate emergency general surgery would include robotic assisted operations in any of: Acute surgical diseases of the abdomen, mesenteric ischaemia, appendectomies, cholecystectomies, hernias, bowel obstruction, adhesiolysis, diverticular disease, diverticulitis, incarceration, perforation, peritonitis, and acute conditions of the gastrointestinal tract.

Trust response:

1.

| Count of District Number | Admit Date | | | |
|--------------------------|-------------|-------------|-------------|-------------|
| Sec_Proc_1_2 | 2019 | 2020 | 2021 | 2022 |
| Open | 3910 | 3322 | 3623 | 3788 |
| Laparoscopic | 490 | 343 | 487 | 540 |
| Total | 4400 | 3665 | 4110 | 4328 |

2. Not applicable

3. Not applicable

4.

| Count of District Number | | | Admit Date | | | |
|-----------------------------|---------------------------|--------------|------------|------------|------------|------------|
| Primary Procedure | Activity Type | Sec_Proc_1_3 | 2019 | 2020 | 2021 | 2022 |
| Appendicectomy | Daycase | Laparoscopic | 1 | 2 | 2 | 3 |
| | Daycase Total | | 1 | 2 | 2 | 3 |
| | Elective | Open | 4 | 12 | 4 | 13 |
| | | Laparoscopic | 10 | 28 | 23 | 19 |
| | Elective Total | | 14 | 40 | 27 | 32 |
| | Non-Elective | Open | 188 | 191 | 151 | 114 |
| | | Laparoscopic | 319 | 263 | 410 | 433 |
| | Non-Elective Total | | 507 | 454 | 561 | 547 |
| Appendicectomy Total | | | 522 | 496 | 590 | 582 |
| Cholecystectomy | Daycase | Open | 0 | 1 | 4 | 2 |
| | | Laparoscopic | 252 | 140 | 213 | 258 |
| | Daycase Total | | 252 | 141 | 217 | 260 |
| | Elective | Open | 7 | 3 | 12 | 2 |
| | | Laparoscopic | 213 | 137 | 167 | 142 |
| | Elective Total | | 220 | 140 | 179 | 144 |

| | | | | | | |
|-----------------------------------|---------------------------|--------------|-------------|-------------|-------------|-------------|
| | Non-Elective | Open | 4 | 5 | 1 | 1 |
| | | Laparoscopic | 124 | 47 | 41 | 59 |
| | Non-Elective Total | | 128 | 52 | 42 | 60 |
| Cholecystectomy Total | | | 600 | 333 | 438 | 464 |
| Hernia repairs | Daycase | Open | 389 | 216 | 272 | 448 |
| | | Laparoscopic | 25 | 20 | 21 | 23 |
| | Daycase Total | | 414 | 236 | 293 | 471 |
| | Elective | Open | 196 | 131 | 139 | 154 |
| | | Laparoscopic | 47 | 21 | 22 | 21 |
| | Elective Total | | 243 | 152 | 161 | 175 |
| | Non-Elective | Open | 108 | 104 | 106 | 133 |
| | | Laparoscopic | 4 | 2 | 4 | 4 |
| | Non-Elective Total | | 112 | 106 | 110 | 137 |
| Hernia repairs Total | | | 769 | 494 | 564 | 783 |
| Laparotomy | Daycase | Open | 0 | 0 | 0 | 1 |
| | Daycase Total | | 0 | 0 | 0 | 1 |
| | Elective | Open | 0 | 2 | 0 | 0 |
| | Elective Total | | 0 | 2 | 0 | 0 |
| | Non-Elective | Open | 2 | 1 | 3 | 2 |
| | Non-Elective Total | | 2 | 1 | 3 | 2 |
| Laparotomy Total | | | 2 | 3 | 3 | 3 |
| Scrotal explorations | Elective | Open | 0 | 0 | 1 | 0 |
| | Elective Total | | 0 | 0 | 1 | 0 |
| | Non-Elective | Open | 24 | 38 | 29 | 19 |
| | Non-Elective Total | | 24 | 38 | 29 | 19 |
| Scrotal explorations Total | | | 24 | 38 | 30 | 19 |
| Total | | | 1917 | 1364 | 1625 | 1851 |

| Count of District Number | | | Admit Date | | | |
|--------------------------|---------------------------|--------------|------------|------------|------------|------------|
| Primary Procedure3 | Activity Type | Sec_Proc_1_3 | 2019 | 2020 | 2021 | 2022 |
| Abscess | Daycase | Open | 9 | 31 | 13 | 5 |
| | Daycase Total | | 9 | 31 | 13 | 5 |
| | Elective | Open | 3 | 18 | 6 | 3 |
| | Elective Total | | 3 | 18 | 6 | 3 |
| | Non-Elective | Open | 272 | 176 | 253 | 277 |
| | Non-Elective Total | | 272 | 176 | 253 | 277 |
| Abscess Total | | | 284 | 225 | 272 | 285 |
| Total | | | 284 | 225 | 272 | 285 |

5.

| Average of LOS | | | Admit Date | | | |
|-----------------------------------|---------------------------|--------------|------------|------------|-------------|------------|
| Primary Procedure | Activity Type | Sec_Proc_1_3 | 2019 | 2020 | 2021 | 2022 |
| Appendicectomy | Elective | Open | 1.3 | 1.3 | 1.0 | 1.8 |
| | | Laparoscopic | 1.4 | 1.7 | 1.6 | 1.4 |
| | Elective Total | | 1.4 | 1.6 | 1.5 | 1.6 |
| | Non-Elective | Open | 3.1 | 2.4 | 2.5 | 3.5 |
| | | Laparoscopic | 2.2 | 2.3 | 2.1 | 2.1 |
| | Non-Elective Total | | 2.5 | 2.3 | 2.2 | 2.4 |
| Appendicectomy Total | | | 2.5 | 2.3 | 2.2 | 2.3 |
| Cholecystectomy | Elective | Open | 6.0 | 4.0 | 3.9 | 3.0 |
| | | Laparoscopic | 1.9 | 1.7 | 1.7 | 1.7 |
| | Elective Total | | 2.0 | 1.7 | 1.8 | 1.7 |
| | Non-Elective | Open | 10.3 | 8.6 | 82.0 | 0.0 |
| | | Laparoscopic | 5.9 | 4.3 | 3.8 | 4.1 |
| | Non-Elective Total | | 6.0 | 4.8 | 5.6 | 4.0 |
| Cholecystectomy Total | | | 3.5 | 2.5 | 2.5 | 2.4 |
| Hernia repairs | Elective | Open | 2.0 | 2.4 | 1.8 | 1.5 |
| | | Laparoscopic | 1.6 | 1.3 | 4.0 | 2.1 |
| | Elective Total | | 1.9 | 2.3 | 2.1 | 1.6 |
| | Non-Elective | Open | 4.7 | 5.5 | 6.1 | 3.5 |
| | | Laparoscopic | 7.0 | 2.0 | 3.0 | 5.0 |
| | Non-Elective Total | | 4.8 | 5.5 | 6.0 | 3.5 |
| Hernia repairs Total | | | 2.8 | 3.6 | 3.7 | 2.4 |
| Laparotomy | Elective | Open | | 6.0 | | |
| | | | | | | |
| | Elective Total | | | 6.0 | | |
| | Non-Elective | Open | 4.5 | 4.0 | 17.3 | 1.0 |
| | Non-Elective Total | | 4.5 | 4.0 | 17.3 | 1.0 |
| Laparotomy Total | | | 4.5 | 5.3 | 17.3 | 1.0 |
| Scrotal explorations | Elective | Open | | | 0.0 | |
| | | | | | | |
| | Elective Total | | | 0.0 | | |
| | Non-Elective | Open | 0.6 | 0.6 | 0.5 | 0.3 |
| | Non-Elective Total | | 0.6 | 0.6 | 0.5 | 0.3 |
| Scrotal explorations Total | | | 0.6 | 0.6 | 0.5 | 0.3 |
| Total | | | 2.8 | 2.6 | 2.6 | 2.3 |
| Average of LOS | | | Admit Date | | | |
| Primary Procedure3 | Activity Type | Sec_Proc_1_3 | 2019 | 2020 | 2021 | 2022 |
| Abscess | Elective | Open | 0.3 | 0.7 | 0.5 | 1.0 |
| | | | | | | |
| | Elective Total | | 0.3 | 0.7 | 0.5 | 1.0 |
| | Non-Elective | Open | 0.8 | 0.7 | 0.7 | 0.5 |

| | | | | | | |
|----------------------|-------------------------------|--|------------|------------|------------|------------|
| | Non-Elective Total | | 0.8 | 0.7 | 0.7 | 0.5 |
| Abscess Total | | | 0.8 | 0.7 | 0.7 | 0.5 |
| Total | | | 0.8 | 0.7 | 0.7 | 0.5 |

6. Not applicable

7. Not applicable

8. Not applicable