

HM Inspector of Anatomy for Scotland

Annual Report to the Scottish Ministers

1 April 2023 – 31 March 2024

Professor Gordon Findlater

Introduction

1. The remit of the Inspector is laid out in section 9, sub-section 2 of the Anatomy Act 1984 as Amended by the Human Tissue (Scotland) Act 2006 and states:
2. An inspector shall be appointed –
 - to advise the Scottish Ministers on the exercise of his functions under this Act;
 - to inspect premises in respect of which licenses are sought under section 3(1) of the Act in order to ascertain whether the premises are suitable;
 - to examine applications for licenses under the Act in order to ascertain whether the applicants are suitable;
 - to inspect premises, in order to ascertain whether any offence has been or is being committed under section 11(1) or (2) or against regulations under section 8 (as mentioned in section 11 (4)).
3. The data contained in this report is for the period 1 April 2023 to 31 March 2024.

Inspections

4. Inspections were carried out at and information received from:
 - University of Aberdeen
 - Dundee:
 - Centre of Anatomy and Human Identification (CAHID), University of Dundee
 - Dundee Institute for Healthcare Simulation Surgical Skills Centre (DIHS), Ninewells Hospital
 - ENT Temporal Bone Laboratory, Ninewells Hospital
 - Hard Tissue Laboratory, School of Dentistry
 - University of Edinburgh
 - Royal College of Surgeons of Edinburgh
 - University of Glasgow
 - Royal College of Physicians and Surgeons of Glasgow
 - University of St Andrews

Aberdeen

5. Head of Anatomy: Professor Simon Parson, Regius Professor of Anatomy, University of Aberdeen.
6. There are four licensed teachers – 2 academic, 2 technical.

Licensed Areas:

7. No change since previous inspection. Premises license renewal date – 17 May 2028.

Access To Licensed Areas:

8. Access through all internal doors is by swipe card; access to teaching space is unlocked when in use but locked at all other times.
9. University security is alerted by alarm system if there is a safety breach who then alert keyholders whether within or out with working hours.

Record Keeping:

10. Register of bodies in storage and where stored: there is a digital excel spreadsheet on a shared drive which only technicians/ licensed teachers/ bequest administrator have access to. There is also a record in book form of parts removed from any one cadaver and where these are located.
11. Record of retained parts and where stored: on a shared drive/file which only technicians have access too. There is also a record in book form of each retained part and the cadaver from which it was taken.

Storage of records:

12. All records are kept locally in a fireproof cabinet as well as offsite on a server. Only licensed teachers, technical staff and the bequest administrator have access to the records.
13. A new electronic record keeping system is still being developed with all data currently held paper copies being gradually transferred onto this system.
14. The system as it is at present was reviewed and found to be a significant improvement on what was used in the past.

Check Of Records:

15. Action Point from the 2022-2023 Report: “that the technical staff take more care with the identification and location of whole intact bodies and that the wall plan in the storage area is accurate and up-to-date”.
16. A check of the records against the number of cadavers in storage plus their location according to the wall plan found everything to be in perfect order, a significant improvement on the situation to what was reported at the last inspection.
17. A random selection of retained parts and their location according to the Record of Retained Parts was checked and found to be correct. A reverse check of retained parts and their location was then made against their recorded location in the Record of Retained Parts which was again found to be correct.

Code Of Practice/ Signed Agreements:

18. A signed Code of Practice is required before access is granted to a licensed area. The same Code of Practice is given to everyone whether they be students or surgeons. Additionally all students are given a talk and receive a booklet at the start of the year about their responsibilities and behaviour when working with cadavers. These activities were carried out online with extra emphasis on the imaging code of conduct. Students sign the Code of Practice electronically which are then saved securely to allow monitoring.
19. Signed Codes of Practice were made available for inspection.

Bequest Information:

| | |
|------------------------------|---------------------------|
| Bequest forms requested | 140 (125*) |
| Bequest forms returned | 85 (91*) |
| Bequests accepted | 43 (36*) |
| Bequests rejected | 20 (19*) |
| Bequests redirected | Dundee - 1 |
| Redirected bequests accepted | Dundee - 2, Edinburgh - 2 |

*2022–2023 figures

20. No defined limits on body size for rejection of a bequest. The university will accept a BMI > 30 due to requirements from clinicians for bodies to reflect all sizes in the population.

Bodies Currently Held In Licensed Areas:

| | |
|--|-----------------------|
| Un-dissected embalmed | 16 |
| Dissected embalmed | 43 |
| Undissected fresh/ frozen | 8 |
| Dissected frozen | 6 |
| Total | 73 |
| Number of oldest body in storage and date by which it must be disposed | 2655 – 22 August 2024 |

University Courses Using Anatomy Facilities:

| |
|--------------------------------|
| Medicine |
| Dentistry |
| Sports Science |
| Archaeology |
| BSc Courses Medical Humanities |
| G2M (Gateway to Medicine) |

External Courses Using Anatomy Facilities (see Appendix for a summary):

21. Twelve external courses were run using anatomy facilities.
22. Anyone requesting to run a course must complete a course proposal form for consideration by Head of Anatomy.
23. The majority of external courses are carried out in the Suttie Centre although there is an increasing demand for bodies to be relocated to other clinical spaces in the Foresterhill Hospital or other University of Aberdeen campus sites. At all times, bodies/material are either accompanied by a licensed teacher or the licensed teacher is on site (Suttie Centre) and remains contactable by phone for the time that the material is outside the licensed area. All material is returned to the Suttie Centre on the day of use i.e. no bodies/material are ever stored off site.
24. There is a Standard Operating Procedure (SOP) with the NHS for the transport of material to and from the Suttie Centre and its use for research. SOPs are also in place for transport to pre-clinical (research) scanning sites at Foresterhill and Old Aberdeen campuses.

Dundee

Centre of Anatomy and Human Identification (CAHID), University of Dundee

25. Interim Head of Anatomy and Director of the Centre: Dr Craig Cunningham

26. There are 6 licensed teachers - 3 academic, 3 technical.

Licensed Areas:

27. A premises licence was available for inspection as was a map of the licensed areas within the department. Date of premises license renewal – 9 July 2029. At the time of the inspection, an extension to the mortuary was underway; on completion, a new premises license will be required to include the new extended area.

Records/Paperwork:

28. Records and copies of all paperwork are kept in a fireproof cabinet and offsite on a remote server. All information is stored on a readily accessible spreadsheet which is updated as bodies/body parts are moved around the department.

29. CAHID receives all bodies for embalming which are then distributed to other licensed sites (see below) as required. All bodies are embalmed using the Thiel method; there are no frozen bodies on site.

Check of Records:

30. A check of the records against the number of cadavers in storage plus their location (the mortuary embalming tanks, the tank room racking, side room racking) found everything to be in order.

31. A random selection of retained parts and their location according to the Record of Retained Parts was checked and found to be correct. A reverse check of retained parts and their location was then made against their recorded location in the Record of Retained Parts which was again found to correct.

Codes Of Practice/ Signed Agreements:

32. There are three different codes of practice which have to be signed by:

- all students before being allowed access to the dissecting room.
- all those attending external courses.
- all tour groups (art students, etc.) before being allowed access, under escort, to licensed areas.

33. A random check of signed codes of practice found all to be in good order.

Bequest Information:

| | |
|------------------------------|---|
| Bequest forms requested | 362 (296*) |
| Bequest forms returned | 164 (167*) |
| Bequests accepted | 80 (91*) |
| Bequests rejected | 39 (35*) |
| Bequests redirected | Aberdeen - 2, St Andrews – 2, |
| Redirected bequests accepted | Aberdeen – 1, Edinburgh – 3, Glasgow – 1, St Andrews - 1 |

*2022–2023 figures

Bodies Currently Held By CAHID And Their Location:

| | |
|--|-----------------|
| BSc/MSc Teaching Medical/Dental Teaching (Dissecting Room) | 46 |
| Mortuary Embalming Tanks | 36 |
| Tank Room Racking | 43 |
| Side Room Racking | 35 |
| Dundee Institute for Healthcare Simulation Surgical Skills Centre (DIHS) | 15 ¹ |
| Image Guided Therapy Research Facility (IGTRF) | 2 ² |
| Total | 177 |

34. All bodies are Thiel embalmed; there are no fresh frozen cadavers or parts on site. All bodies are tagged in 6 places – ears, hands, feet. Whiteboards are marked up to correspond to body locations on racks.

¹ These bodies are off site

² These bodies are off site

| | |
|--|----------------------|
| Number of oldest body in storage and date by which it must be disposed | 1606 – 12 March 2024 |
|--|----------------------|

University Courses Using Anatomy Facilities:

| |
|--|
| Medicine – years 1-3 |
| Dentistry – years 1-4 |
| BSc Anatomical Sciences – years 2-4 |
| Forensic Art and Medical Art |
| Forensic Anthropology |
| MSc Anatomy & Advanced Forensic Anthropology |
| MSc Forensic Archaeology & Anthropology |
| MSc Human Anatomy |
| BEng/Meng Biomedical Engineering |
| MSc Forensic Dentistry |
| MChOrth Orthopaedic Surgery |

External Courses Using Anatomy Facilities:

35. 27 courses made use of CAHID facilities, some on multiple days.

Dundee Institute For Healthcare Simulation Surgical Skills Centre (DIHS), Ninewells Hospital

36. There are 3 personal licence holders responsible for this area, 2 academic, 1 technical (member of CAHID staff).

Licensed Areas:

37. Access to the skills centre is controlled by a buzzer system to reception, otherwise access is restricted to staff only.

38. There are 3 licensed areas, the Anatomy Lab, Wet Lab 1 and Wet Lab 2; Wet Lab 1 can be partitioned into two separate working areas. All of these areas are accessed by key entry; key holders for the Anatomy Lab are the Senior Technician and the Senior Technical Assistant only, whereas Wet Labs 1 and 2 can be accessed by all technical and centre staff.

At the time of the inspection, Wet Lab 2 was being used by the Image Guided Therapy Research Facility (IGTRF).

39. Date of expiry of the premises licence is 3 April 2029.

Bodies Currently Held In DIHS:

40. There were 15 bodies in storage in DIHS at the time of the inspection.
41. All bodies/ body parts held in the Skills Centre are controlled by CAHID. The Skills Centre has the capacity to store 12 bodies. Bodies are usually stored at CAHID, and transported to the Skills Centre when needed, where they may be kept for short periods. All body movements between CAHID and the Skills Centre are tracked on the CAHID database.
42. A check of the records between those held by CAHID, those held by DIHS and the bodies in storage at DIHS were all found to be in order.

Courses Run At DIHS:

43. A list of some of the courses run in the Skills Centre is listed in the appendix.

Image Guided Therapy Research Facility (IGTRF):

44. IGTRF continues to operate in a designated lab space (Wet Lab 2) in DIHS temporarily until refurbishment of their facilities at Wilson House, Ninewells Hospital is completed.³
45. There is one personal licence holder responsible for this facility.
46. A list of some of the courses run in IGTRF is listed in the appendix.

ENT Temporal Bone Lab, Ninewells Hospital, Dundee

47. There are two licence holders responsible for this single licensed area.
48. Premises Licence Expiry Date – 10 December 2029
49. Access to the space is via an office which connects to a main outside corridor. All tissue used in the lab (temporal bones) is kept in a locked fridge when not being used. There is a security door between the office and the lab with the keys held by a licensed teacher.
50. All material held in the bone lab is under the control of CAHID and is recorded on their database. There is also a record of material retained in a box folder in the laboratory.

³ Since the inspection, the refurbishment of Wilson House is now complete, has been inspected and a new Premises License issued with IGTRF now relocated there from DIHS

Hard Tissue Laboratory, School of Dentistry, Ninewells Hospital, Dundee

51. There is one licence holder responsible for this area.
52. Premises licence expiry date – 10 March 2032
53. Access to the lab is via a single door with key code access. Only PhD students requiring access to the lab and technical staff know the code. Outside normal working hours, access to the lab is restricted and requires authorisation from the Head of Anatomy.
54. All material is stored in a locked metal cabinet. There are 2 keys for this cabinet one which is kept in the key safe in CAHID and the other in the Dental School. Keys are signed out and back in again.
55. There is a detailed spreadsheet that logs all stored material within the lab. Material moved from the lab to another location is logged using a specimen loan form. All material is returned to the lab at the end of the working day; no material is ever stored outside the lab overnight.

Edinburgh

56. Head of Anatomy: Professor Tom Gillingwater
57. There are 7 personal licence holders, 6 academic and 1 technical.
58. All licences were available for inspection.

Licensed Areas:

59. Premises Licence expiry date – 22 August 2032.
60. A map of the licensed area was made available for inspection.
61. Change from previous inspection: Licenced teaching rooms 10 and 11, wall between them removed and is now one room known as the Small Anatomy Teaching Laboratory (SATL).

Record Keeping:

62. A comprehensive record keeping system is in place; this is held both as a paper copy and backed up on a university server to which only the Head of Anatomy and the Bequest Coordinator/Chief Technician have access. The paper copy is stored in a fireproof cabinet.

Bequest Information:

| | |
|------------------------------|---|
| Bequest forms requested | 227 (211*) |
| Bequest forms returned | 170 (112*) |
| Bequests accepted | 31 (31*) |
| Bequests rejected | 56 (60*) |
| Bequests redirected | Aberdeen – 2, Dundee – 3, Glasgow – 10, St Andrews - 2 |
| Redirected bequests accepted | 0 |

*2022-2023 figures

Bodies Currently Held In The Department:

| | |
|--|--------------------------|
| Embalmed | 6 |
| Frozen | 20 |
| Total | 26 |
| Number of oldest body in storage and date by which it must be disposed | 2101 – 14 September 2024 |

Record Check:

63. A check of the records against the number of cadavers in storage plus their location according to the wall plan found everything to be in perfect order.

64. A random selection of retained parts and their location according to the Record of Retained Parts was checked and found to be correct. A reverse check of retained parts and their location was then made against their recorded location in the Record of Retained Parts which was again found to correct.

Code of Practice/Signed Agreements:

65. Everyone using cadaver material in the teaching lab is required to read and sign a Code of Practice. This was made available for inspection.

University Courses Using Anatomy Facilities:

66. Over the past year, 10 University courses used the anatomy facilities.

67. Nine external courses used the anatomy facilities – see Appendix for a list of some of these.

Courses Run At The Royal College Of Surgeons Using Cadaver Material from the Department:

- 68. Ten courses in total – see appendix for a list of some of these.
- 69. Bodies and body parts are transferred between the anatomy department and the Royal College of Surgeons of Edinburgh for courses run by the College. A tracking system is in place to monitor the movement of specimens between the two establishments.

Royal College of Surgeons of Edinburgh

- 70. Skills Centre Manager: Lynsey Forbes
- 71. There are 4 technical personal licence holders at present. Three work in the Skills Centre, one works in the College Museum. All licences were made available for inspection.
- 72. Premises Licence expiry date is 3 May 2027

Access To Licensed Areas:

- 73. Access to all licensed areas is via a Paxton networked control system. A floor plan showing all the doors secured using the system was provided. The system allows real-time monitoring and control of who has access to different areas and can be used to restrict access to a specific timeframe.
- 74. Magnetic door closures are now in place. Doors are locked at all times when cadaver material is present in the Skills Lab, access being by wipe card only.
- 75. In the event of an alarm going off, security are called who in turn contact a licenced teacher.

Record Keeping/ Signed Agreements:

- 76. A copy of the Code of Conduct for those participating in College examinations/courses using cadaver material must be signed and returned to the Skills Centre Manager before anyone is permitted to enter the Skills Centre. These were available for inspection.
- 77. Course attendees and faculty members are issued with a Health & Safety form which must be read and signed at the beginning of the course. This form includes information and guidance on working with cadaveric material.

78. Bodies are received from the University of Edinburgh, the University of Dundee, the National Repository, Nottingham, and from Science Care, USA⁴.
79. In all cases there is a clearly defined checking process with corresponding documentation which I am satisfied meets the requirements of the Anatomy Act 1984 as amended by the Human Tissue (Scotland) Act 2006.
80. Due to the increased demand for courses to be run at the College, there is now a serious problem of sourcing cadaver material to meet this demand. This situation is not helped by the need of the five medical schools in Scotland having to meet the increased need for cadavers required to teach the increasing number of medical students they now have to accept.

Courses Run in the College using Cadaveric Material - see Appendix:

81. No bodies currently held on site.

Glasgow

82. Head of Anatomy: Professor Scott Border.
83. here are currently 4 personal licence holders 2 academic, 2 technical.

Licensed Areas:

84. No change since previous inspection.
85. Premises Licence expiry date is 12 October 2033
86. The premises licence plus a map of the licensed area were available for inspection.

Access To Licensed Areas:

87. All licensed areas are protected by intruder alarms.
88. Six technical staff plus one laboratory assistant and two academic staff have swipe card access to all licensed areas. Swipe card access is controlled by the Chief Technician.

⁴ Arrangements are made for body parts from Science Care to be cremated at Borders Crematorium in accordance with the relevant regulations. Copies of all required paperwork are sent electronically to the crematorium in advance of the scheduled cremation. Afterwards the crematorium provides a certificate of cremation (paper copy) to confirm final disposal of the cadaveric specimens.

89. On the map of licensed areas, those areas regarded as 'high risk' can only be accessed by licensed teachers plus appropriate technical staff, the prosecution store by all teaching staff and appropriate technical staff and the teaching labs by all teaching staff.
90. Students have free access to the corridor leading to the teaching labs plus to the museum. Development of a means of restricting public access to the museum is ongoing.
91. Out of Hour access: Security has access to all areas but would only enter these areas in the event of an emergency, and then, only after advising the Chief Technician.

Record Keeping/Signed Agreements:

92. Full records and electronic copies of documentation are stored on a bespoke password protected web-based bequest database. Electronic copies of correspondence and initial information are stored on Microsoft Teams. Original hard copies of declaration of bequest forms on the donor register are stored in fireproof cabinets. An archive of hard copies of donor records are also stored in fireproof cabinets. Active files are temporarily held in the Anatomy Office.
93. There is in place a printed and bound standard operating procedure for the handling of cadavers from the receipt of a body into the department until its final disposal by cremation.

Check of Records

94. A check of the records against the number of cadavers in storage plus their location found everything to be in order.
95. A random selection of retained parts and their location according to the Record of Retained Parts was checked and found to be correct. A reverse check of retained parts and their location was then made against their recorded location in the Record of Retained Parts which was again found to correct.

Code of Conduct:

96. A copy of 'Rules and Regulations' is given out in advance to all those attending courses using cadaver material. This must be signed and returned before access to the teaching lab is granted. These forms are then scanned and saved on a database. These were made available for the inspection.

Bequest Information:

| | |
|------------------------------|----------------|
| Bequest forms requested | 308 (343*) |
| Bequest forms returned | 233 (212*) |
| Bequests accepted | 104 (96*) |
| Bequests rejected | 48 (63*) |
| Bequests redirected | Dundee - 1 |
| Redirected bequests accepted | Edinburgh - 11 |

*2022-2023 figures

Bodies Currently Held in Department:

| | |
|--|--------------------------|
| Embalmed | 76 |
| Fresh/frozen | 89 |
| Unused/Other | 1 |
| Total | 166 |
| Number of oldest body in storage and date by which it must be disposed | 20/21-39 31 October 2024 |

Courses Run Using Cadaver Material:

97. There are currently 18 internal and 37 external courses using anatomy facilities, the latter running collaboratively between the Royal College of Physicians and Surgeons of Glasgow and the University of Glasgow. A comprehensive list of all these courses was available for inspection – see the appendix.

Royal College of Physicians and Surgeons of Glasgow

98. Director of Clinical Skills: Mr Ian Colquhoun

99. There are 2 licensed teachers, 1 academic and 1 technical member of staff.

Licensed Areas:

100. No change since previous inspection

101. Premises Licence expiry date – 4 February 2028

Record Keeping/ Signed Agreements:

102. All requests for cadaveric material from the Anatomy Department, University of Glasgow are emailed to a licensed teacher who then logs the specimens out of the department and logs them back in on their return.

Code of Conduct:

- 103. A Code of Conduct and information sheet is given to all those attending courses in the College which is signed and returned to the licensed teacher.
- 104. No bodies currently on site.

Course Run at the College:

- 105. See the appendix.

St Andrews

- 106. Head of Anatomy: Dr Enis Cezayirli
- 107. There are 6 licensed teachers, 3 academic and 3 technical.

Licensed Areas:

- 108. No change since previous inspection.
- 109. Premises Licence expiry date: 28 February 2031
- 110. A map of the licensed areas and of the premises licence were available for inspection

Record Keeping/Signed Agreements:

- 111. A user friendly, computer-based record keeping system is in place which is first class in its operation. Access to the system is by licensed teachers, the bequest co-ordinator and IT staff who maintain the system.

Check of Records:

- 112. A check of the records against the number of cadavers in storage plus their location found everything to be in order.
- 113. A random selection of retained parts and their location according to the Record of Retained Parts was checked and found to be correct. A reverse check of retained parts and their location was then made against their recorded location in the Record of Retained Parts which was again found to correct.

Code of Practice:

114. A copy of the Code of Practice is given to all attending courses in the licensed space which must be signed and returned before access is granted.

Bequest Information:

| | |
|------------------------------|----------------------------|
| Bequest forms requested | 76 (84*) |
| Bequest forms returned | 40 (50*) |
| Bequests accepted | 32 (27*) |
| Bequests rejected* | 15 (13*) |
| Bequests redirected | Dundee - 1 |
| Redirected requests accepted | Dundee – 2, Edinburgh – 2. |

*2022–2023 figures

Bodies Currently Held in Department:

| | |
|--|------------------|
| Embalmed | 33 |
| Fresh/frozen | 0 |
| Total | 33 |
| Number of oldest body in storage and date by which it must be disposed | 1017 – July 2024 |

Internal/External Courses Using Anatomy Facilities:

115. These are used for 3 University organised courses and 7 externally run courses.

General Points

Statistics Summary:

116. These are cumulative figures for all anatomy departments:

| | |
|--|--------------|
| Bequest Forms requested | 1113 (1055)* |
| Bequest Forms returned | 692 (632)* |
| Bodies accepted | 290 (281)* |
| Bodies rejected | 178 (190)* |
| Bodies redirected to another department | 24 (31) |
| Number of embalmed bodies currently held | 352 (338)* |
| Number of frozen bodies in storage | 123 (122)* |
| Number of Licensed Teachers, Academic | 21 (15)* |
| Number of Licensed Teachers, Technical | 19 (9)* |

* Figures in brackets are from 2022-23 Annual Report

Use of Bodies other than for the Teaching of Medical Students:

117. It is invariably the case that when someone leaves their body to the medical school, the assumption is made that is for the teaching of anatomy to undergraduate medical students. However, what is not always appreciated is the use made of donated bodies for the advancement of medical science and surgical training. Without exception, every Scottish medical school makes donated bodies available to surgeons in training and to research scientists enabling pioneering research to take place in Scotland.

118. The appendix shows a list of courses run and research currently being carried out using donated bodies.

Memorial Services:

119. All medical schools hold an annual Memorial Service in memory of all those who have left their bodies to the medical school; the Inspector attended all of these in person. All were very well attended and very much appreciated particularly by the families and friends of all the donors.

Code of Practice:

120. The revised version of the Code of Practice is now in its final form after having been passed out to all Heads of Departments for comment.

Induction Course for Those Wishing to Apply for a Licence:

121. This is currently on hold at the moment.

Incidents Requiring Investigation:

122. There were no incidents requiring the intervention of the Inspector.

Other Activities:

123. These included:

- reviewing licence applications, both personal and premises, before issuing them. In the case of the latter, it invariably means visiting the premises in question to make sure that it conforms to the requirements of the Act and the Code of Practice.
- responding on a day-to-day basis to email and telephone enquiries both from licensed teachers and members of the public on a wide and varied range of anatomically related topics.

Conclusion

124. All departments are working well and to a very high standard. There is however a potential problem arising from the increasing number of medical students attending University with the resulting increased demand for bodies. This is already having an impact on the Surgical Colleges who are now having to cancel training courses due to medical schools having to meet their own needs first before that of the Colleges.

125. All staff should be commended for maintaining the high standard that they achieve with particular thanks to the Bequest Coordinators who have to deal with members of the public at a particularly difficult and sensitive time in their lives. They are invariably the first point of contact with a department and therefore fundamentally important in maintaining the success of the body donor programme.

126. Finally, I would like to thank the Scottish Government Burial and Cremation Team for their ongoing help and support over the past year.

Professor Gordon Findlater
HMIAS

4th June 2024

Appendix

Aberdeen

Anatomy Department:

- thoracotomy course
- flaps reconstruction – plastic surgery training course
- hands trauma – plastic surgery training course
- white matter tract tracing course for neurosurgeons
- rib rescue course
- robotic colorectal cadaveric course
- reconstructive breast surgery course
- ENT Course
- open Surgery for ST General Surgeons
- gynaecology – surgical skills training

Dundee

Dundee Institute of Health Simulation Surgical Skills Centre:

- principles of joint injection
- rectal prolapse surgical management
- endoscopic sinus surgery
- temporal bone course
- rhinoplasty and septoplasty skills
- aesthetic facial surgery exercises by cadaver dissection
- emergency safe neck surgery by cadaver dissection
- laryngeal & pharyngeal laser course
- laparoscopic lower GI surgery course
- advanced laparoscopic in urogynae
- fundamentals of transurethral resection
- flexible cystoscopy training

Image Guided Therapy Research Facility:

- stroke thrombectomy simulation research and training
- imaging technique research using C-arm fluoroscopy, CT & ultrasound imaging,
- intravascular ultrasound imaging, photon counting detector scanning.
- imaging techniques used in cardiovascular and orthopaedic procedures.

Edinburgh

Anatomy Department:

- core surgical training
- hand & wrist surgery course
- orthopaedic trauma symposium
- military trauma surgical course

Royal College of Surgeons of Edinburgh:

- core skills in orthopaedic surgery
- complete ear surgery
- facial aesthetics
- surgical approaches to the spine
- neurosurgical approaches to cranial compartments
- knee arthroplasty (Stryker)
- organ retrieval masterclass
- head & neck resection and reconstruction surgery
- emergency trauma and damage control surgery

Glasgow (abbreviated list)

Clinical Anatomy Skills Centre (Anatomy Department plus Royal College of Physicians & Surgeons of Glasgow):

- surgical skills for the emergency department resuscitation room
- elbow course
- pelvic course
- Royal Hospital for Children thoracic trauma course
- knee robotic surgery
- renal and liver biopsy course for radiologists
- endoscopic urology and peno-scrotal surgery
- plastic surgery flap course
- tendon transfer in foot and ankle surgery
- advanced facial anatomy course

St Andrews

Anatomy Department:

- intra-osseous injection course
- regional anaesthetics course
- trainee paramedics' course

Additionally, requests are made from time to time by surgeons for access to a cadaver for the planning of a difficult surgical procedure – an excellent example of how a donated body can save a life!



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The Scottish Government
St Andrew's House
Edinburgh
EH1 3DG

ISBN: 978-1-83601-598-7 (web only)

Published by The Scottish Government, July 2024

Produced for The Scottish Government by APS Group Scotland, 21 Tennant Street, Edinburgh EH6 5NA
PPDAS1486518 (07/24)

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