

# Cardiothoracic surgeon

Cardiothoracic surgeons specialise in operating on the heart, lungs and other thoracic (chest) organs.

They also diagnose and treat diseases of these organs.

picture of a surgeon

## Life as a cardiothoracic surgeon

You'll see the immediate and life-changing results of your work, but your role will be hugely demanding. Diseases that occur in a person's chest are common killers and you'll be managing life and death scenarios every day.

Cardiothoracic surgery is a relatively young speciality that has experienced rapid growth through the introduction of new technologies.

Before surgery you'll meet with patients and their families to discuss and explain procedures and offer reassurance. Being crystal clear, empathetic and warm is vital to the success of your role.

The main areas of cardiothoracic surgery are:

- cardiac surgery
- thoracic surgery
- congenital cardiac surgery
- heart and lung transplant surgery

Monitoring patients in intensive care [1] after surgery is a vital part of your work. Although cardiothoracic surgery is very safe, complications can occur and you'll need to be prepared to deal with a host of conditions including arrhythmias (heart-beat irregularity), post-operative bleeding, stroke [2], pleural effusion (fluid around the lungs), wound infection or thrombosis [3].

As well as performing surgery, you'll be involved in the treatment and management of many different conditions within your speciality. You'll need to attend outpatient clinics, multidisciplinary team meetings and ward rounds.

## How much can I earn?

You'll first earn a salary when you start your foundation training <sup>[4]</sup> after medical school. Find out details of current salary ranges for foundation and specialty training, SAS doctors <sup>[5]</sup> and consultants on the 'Pay for doctors' <sup>[6]</sup> page.

## How about the benefits?

- make a difference
- flexible and part-time working
- high income early in your career
- work anywhere in the world
- excellent pension scheme
- good holiday entitlement
- NHS discounts in shops and restaurants

## Must-have skills

- excellent communication skills to manage a wide range of relationships with colleagues, and patients and their families
- emotional resilience, a calm temperament and the ability to work well under pressure
- teamwork and the capacity to lead multidisciplinary teams
- problem-solving and diagnostic skills
- outstanding organisational ability and effective decision-making skills
- first-class time and resource management for the benefit of patients
- a high degree of manual dexterity
- superb hand-eye co-ordination, excellent vision, and visuospatial awareness
- physical stamina to cope with the demands of surgery

## Entry requirements

Your first step is medical school. Typically, you'll need excellent GCSEs and three A or A\* passes at A level including chemistry for a five-year undergraduate degree in medicine. Many medical schools also ask for biology and others may require maths or physics.

If you already have a degree, you could study for a four-year postgraduate degree in medicine.

You'll need to pass an interview and admissions test. You'll be asked to show how you demonstrate the NHS values such as compassion and respect.

Some medical schools look to recruit a mix of students from different backgrounds and geographical areas, so your educational and economic background and family circumstances could be considered as part of your application.

**"I had some great mentors who gave me the opportunity to operate on patients with supervision, and to look after very sick patients on the intensive care <sup>[1]</sup> unit after cardiac surgery."**

**Read Omar's story** <sup>[7]</sup>.

## **What are my chances of starting a career as a cardiothoracic surgeon?**

There are currently approximately 400 cardiothoracic surgeons working in the NHS in England. In 2020, there were between 5.86 and 9.92 applications for every specialty training place.

## **How to become a cardiothoracic surgeon**

After medical school, you'll join the paid two-year foundation programme <sup>[8]</sup> where you'll work in six placements in different settings.

After your foundation programme, you can apply for paid specialty training <sup>[9]</sup> to become a cardiothoracic surgeon, which will take a minimum of six or seven years.

You may be able to train part time, for example for health reasons or if you have family or caring responsibilities.

## **Where a career as a cardiothoracic surgeon can take you**

Working as a cardiothoracic surgeon, you'll have the opportunity to specialise in cardiac, thoracic or congenital surgery.

As a cardiac surgeon, you'll perform various kinds of surgery including:

- coronary artery bypass surgery – restoring blood flow to the heart by bypassing the narrowed coronary arteries
- heart valve surgery – repairing and replacing narrowed or leaking heart valves
- aortic surgery – replacing an enlarged or damaged blood vessel leaving the heart

If you choose to specialise as a thoracic surgeon, you'll perform a wide range of surgery including:

- surgery for lung cancer, tumours and cysts
- surgery on collapsed or infected lungs
- keyhole thoracic surgery (video assisted thoracoscopic surgery (VATS))
- chest-wall deformities (pectus surgery)

If you choose congenital cardiac surgery, you'll treat babies and children with heart diseases that have been present from birth. These conditions include:

- septal defects (a hole between two of the heart's chambers)
- aortic and pulmonary valve stenosis (where the valve is narrower than normal)
- transposition of the arteries

You could specialise or conduct research, teach medical students or postgraduate students in training and get involved in research at universities, the NHS or private sector.

- **Live vacancies**

## Find a vacancy

Enter your location or postcode

Show results within

Search

- **Consultant Cardiothoracic Radiologist**

Stoke on Trent, ST4 6QG

Salary:

Negotiable

Type:

Permanent

Employer:

University Hospital of North Midlands NHS Trust

[Apply now on NHS Jobs for Consultant Cardiothoracic Radiologist job \(opens in a new window\)](#) <sup>[10]</sup>

- **Consultant in Cardiothoracic Histopathology**

Cambridge Bio Medical Campus, CB2 0AY

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

Royal Papworth Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Consultant in Cardiothoracic Histopathology job \(opens in a new window\)](#) <sup>[11]</sup>

- **Consultant in Cardiothoracic Anaesthesia**

Oxford, OX3 9DU

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Oxford University Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Consultant in Cardiothoracic Anaesthesia job \(opens in a new window\)](#) <sup>[12]</sup>

- **Clinical Lead for Cardiothoracic Theatres**

Cardiff, CF14 4XW

Salary:

£48527.00 to £55532.00

Type:

Permanent

Employer:

Cardiff and Vale University Health Board

[Apply now on NHS Jobs for Clinical Lead for Cardiothoracic Theatres job \(opens in a new window\)](#) <sup>[13]</sup>

- **Consultant in Paediatric Cardiothoracic Surgery**

London, WC1N 3JH

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Great Ormond Street Hospital for Children NHS Foundation Trust

[Apply now on NHS Jobs for Consultant in Paediatric Cardiothoracic Surgery job \(opens in a new window\)](#) <sup>[14]</sup>

- **Senior Cardiothoracic Surgical Care Practitioner**

Basildon, SS16 5NL

Salary:

£55690.00

Type:

Permanent

Employer:

Mid and South Essex NHS Foundation Trust

[Apply now on NHS Jobs for Senior Cardiothoracic Surgical Care Practitioner job \(opens in a new window\)](#) <sup>[15]</sup>

- **Senior Clinical Fellow in Cardiothoracic Surgery**

London, SE5 9RS

Salary:

£37068.00 to £61825.00

Type:

Fixed-Term

Employer:

King's College Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Senior Clinical Fellow in Cardiothoracic Surgery job \(opens in a new window\)](#) <sup>[16]</sup>

- **Junior Clinical Fellow in Cardiothoracic Surgery**

Uxbridge, UB9 6JH

Salary:

£49909.00

Type:

Fixed-Term

Employer:

Guy's and St Thomas' NHS Foundation Trust

[Apply now on NHS Jobs for Junior Clinical Fellow in Cardiothoracic Surgery job \(opens in a new window\)](#) <sup>[17]</sup>

- **Senior Clinical Fellow in Cardiothoracic Anaesthesia**

Uxbridge, UB9 6JH

Salary:

£70425.00

Type:

Fixed-Term

Employer:

Guy's and St Thomas' NHS Foundation Trust

[Apply now on NHS Jobs for Senior Clinical Fellow in Cardiothoracic Anaesthesia job \(opens in a new window\)](#) <sup>[18]</sup>

- **Junior Locally Employed Doctor in Cardiothoracic Surgery**

Manchester, M23 9LT

Salary:

£49909.00

Type:

Fixed-Term

Employer:

Manchester University NHS Foundation Trust

[Apply now on NHS Jobs for Junior Locally Employed Doctor in Cardiothoracic Surgery job \(opens in a new window\)](#) <sup>[19]</sup>

- **Consultant ENT Surgeon**

Luton, LU4 0DZ

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Bedfordshire Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Consultant ENT Surgeon job \(opens in a new window\)](#)

[20]

- **Consultant Hand Surgeon**

Doncaster, DN40TG

Barnsley, S71 1TH

Sheffield, S105UB

Sheffield, S80YH

Sheffield, S61GA

Rotherham, S639EH

Barnsley, S728SU

Sheffield, S56AZ

Salary:

Negotiable

Type:

Locum

Employer:

HealthHarmonie

[Apply now on NHS Jobs for Consultant Hand Surgeon job \(opens in a new window\)](#)

[21]

- **Consultant Orthopaedic Surgeon**

Shepton Mallet, BA4 4LP

Salary:

Negotiable

Type:

Permanent

Employer:

Practice Plus Group

[Apply now on NHS Jobs for Consultant Orthopaedic Surgeon job \(opens in a new window\)](#) [22]

- **Consultant Urological Surgeon**

Salford, M6 8HD

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Northern Care Alliance NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Urological Surgeon job \(opens in a new window\)](#) <sup>[23]</sup>

- **Consultant Prostate Surgeon**

Southampton, SO16 6YD

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

University Hospital Southampton NHS Trust

[Apply now on NHS Jobs for Consultant Prostate Surgeon job \(opens in a new window\)](#) <sup>[24]</sup>

- **Consultant Cardiac Surgeon**

Oxford, OX3 9DU

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Oxford University Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Cardiac Surgeon job \(opens in a new window\)](#) <sup>[25]</sup>

- **Consultant Breast Surgeon**

Barnsley, S75 2EP

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

Barnsley Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Breast Surgeon job \(opens in a new window\)](#) <sup>[26]</sup>

- **Consultant Vascular Surgeon**

London, SE5 9RS

Salary:

£105504.00 to £139882.00



Type:

Permanent

Employer:

King's College Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Vascular Surgeon job \(opens in a new window\)](#) <sup>[27]</sup>

- **ToP Surgeon (Rotherham)**

Rotherham, S60 1FL

Salary:

£78488.17 to £109691.14

Type:

Permanent

Employer:

MSI Reproductive Choices

[Apply now on NHS Jobs for ToP Surgeon \(Rotherham\) job \(opens in a new window\)](#) <sup>[28]</sup>

- **Consultant Cardiac Surgeon**

Brighton, BN2 5BE

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

University Hospitals Sussex NHS Foundation Trust (279)

[Apply now on NHS Jobs for Consultant Cardiac Surgeon job \(opens in a new window\)](#) <sup>[29]</sup>

- **Consultant Cardiac Surgeon**

Brighton, BN2 5BE

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

University Hospitals Sussex NHS Foundation Trust (279)

[Apply now on NHS Jobs for Consultant Cardiac Surgeon job \(opens in a new window\)](#) <sup>[29]</sup>

- **Consultant Upper GI Surgeon**

Kettering, NN16 8UZ

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

Kettering General Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Upper GI Surgeon job \(opens in a new window\)](#) <sup>[30]</sup>

- **Locum Consultant Urological Surgeon**

Oxford, OX3 7LE

Salary:

£105504.00 to £139882.00

Type:

Fixed-Term

Employer:

Oxford University Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Locum Consultant Urological Surgeon job \(opens in a new window\)](#) <sup>[31]</sup>

- **Consultant Colorectal & General Surgeon**

Watford, WD18 0HB

Salary:

£105504.00 to £139882.00

Type:

Fixed-Term

Employer:

West Hertfordshire Teaching Hospitals NHS Trust

[Apply now on NHS Jobs for Consultant Colorectal & General Surgeon job \(opens in a new window\)](#) <sup>[32]</sup>

- **Consultant Colorectal & General Surgeon**

Basildon/Broomfield/Southend, CM1 7ET

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Mid and South Essex NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Colorectal & General Surgeon job \(opens in a new window\)](#) <sup>[33]</sup>

- **Locum Consultant Orthopaedic Surgeon**

Camberwell, SE5 9RS

Salary:

£105504.00 to £139882.00

Type:

Locum

Employer:

King's College Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Locum Consultant Orthopaedic Surgeon job \(opens in a new window\)](#) <sup>[34]</sup>

- **Locum Consultant Urological Surgeon**

Northampton, NN1 5BD

Salary:

£105504.00 to £139882.00

Type:

Fixed-Term

Employer:

Northampton General Hospital

[Apply now on NHS Jobs for Locum Consultant Urological Surgeon job \(opens in a new window\)](#) <sup>[35]</sup>

- **Consultant Oncoplastic Breast Surgeon**

Derby, DE22 3NE

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

University Hospitals of Derby and Burton NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Oncoplastic Breast Surgeon job \(opens in a new window\)](#) <sup>[36]</sup>

- **Consultant Oncoplastic Breast Surgeon**

Wolverhampton, WV10 0QP

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

The Royal Wolverhampton NHS Trust

[Apply now on NHS Jobs for Consultant Oncoplastic Breast Surgeon job \(opens in a new window\)](#) <sup>[37]</sup>

- **Consultant Surgeon - Orthopaedics & Trauma**

Braddan, IM4 4RJ

Salary:

£107208.00 to £185166.00

Type:

Permanent

Employer:

Manx Care

[Apply now on NHS Jobs for Consultant Surgeon - Orthopaedics & Trauma job \(opens in a new window\)](#) <sup>[38]</sup>

- **Consultant Oral & Maxillofacial Surgeon**

Lancaster, LA14RP

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

University Hospitals of Morecambe Bay NHS Trust

[Apply now on NHS Jobs for Consultant Oral & Maxillofacial Surgeon job \(opens in a new window\)](#) <sup>[39]</sup>

- **Consultant Oral and Maxillofacial Surgeon**

Salisbury, SP2 8BJ

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Salisbury NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Oral and Maxillofacial Surgeon job \(opens in a new window\)](#) <sup>[40]</sup>

- **Treatment Doctor / Surgeon - 7.5 hours**

Reading, RG1 4QA

Salary:

£101000.00 to £151000.00

Type:

Permanent

Employer:

British Pregnancy Advisory Service (BPAS)

[Apply now on NHS Jobs for Treatment Doctor / Surgeon - 7.5 hours job \(opens in a new window\)](#) <sup>[41]</sup>

- **Consultant Colorectal and General Surgeon**

Dorchester, DT1 2JY

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

Dorset County Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Colorectal and General Surgeon job \(opens in a new window\)](#) <sup>[42]</sup>

- **Fellowship-trained Foot & Ankle Surgeon**

Sheffield, S11 8UX

Salary:

Negotiable

Type:

Permanent

Employer:

One Health Group

[Apply now on NHS Jobs for Fellowship-trained Foot & Ankle Surgeon job \(opens in a new window\)](#) <sup>[43]</sup>

- **Fixed Term Consultant Oncoplastic Breast Surgeon**

Exeter, EX2 5DW

Salary:

£109725.00 to £145478.00

Type:

Fixed-Term

Employer:

Royal Devon University Healthcare NHS Foundation Trust

[Apply now on NHS Jobs for Fixed Term Consultant Oncoplastic Breast Surgeon job \(opens in a new window\)](#) <sup>[44]</sup>

- **Consultant Ophthalmic Surgeon - Oculoplastic & General Ophthalmology**

Bury St. Edmunds, IP33 2QZ

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

West Suffolk NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Ophthalmic Surgeon - Oculoplastic & General Ophthalmology job \(opens in a new window\)](#) <sup>[45]</sup>

- **Locum Consultant Plastic and Breast Surgeon**

Nottingham, NG5 1PB

Salary:

£105504.00 to £139882.00

Type:

Locum

Employer:

Nottingham University Hospitals NHS Trusts

[Apply now on NHS Jobs for Locum Consultant Plastic and Breast Surgeon job \(opens in a new window\)](#) <sup>[46]</sup>

- **Locum Consultant Plastic Surgeon - Hand Specialist**

Salisbury, SP2 8BJ

Salary:

£105504.00 to £139882.00

Type:

Fixed-Term

Employer:

Salisbury NHS Foundation Trust

[Apply now on NHS Jobs for Locum Consultant Plastic Surgeon - Hand Specialist job \(opens in a new window\)](#) <sup>[47]</sup>

- **Locum Urological Surgeon Specialized General & Reconstructive Surgery**

London, E9 6SR

Salary:

£105504.00 to £139882.00

Type:

Fixed-Term

Employer:

Homerton Healthcare NHS Foundation Trust

[Apply now on NHS Jobs for Locum Urological Surgeon Specialized General & Reconstructive Surgery job \(opens in a new window\)](#) <sup>[48]</sup>

- **Consultant Plastic Surgeon (Burns / General Plastic Surgery)**

Wakefield, WF14DG

Salary:

£109725.00 to £145478.00

Type:

Permanent

Employer:

The Mid Yorkshire Teaching NHS Trust

[Apply now on NHS Jobs for Consultant Plastic Surgeon \(Burns / General Plastic Surgery\) job \(opens in a new window\)](#) <sup>[49]</sup>

- **Consultant Orthopaedic Surgeon – Upper Limb or Shoulder & Elbow**

Shepton Mallet, BA4 4LP

Salary:

Negotiable

Type:

Permanent

Employer:

Practice Plus Group

[Apply now on NHS Jobs for Consultant Orthopaedic Surgeon – Upper Limb or Shoulder & Elbow job \(opens in a new window\)](#) <sup>[50]</sup>

- **Consultant Trauma and Orthopaedic Surgeon, Hand and Wrist**

Wythenshawe, M23 9LT

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Manchester University NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Trauma and Orthopaedic Surgeon, Hand and Wrist job \(opens in a new window\)](#) <sup>[51]</sup>

- **Locum Urological Surgeon Specialized in Cancer Diagnosis Management**

London, E9 6SR

Salary:

£109725.00 to £145478.00

Type:

Locum

Employer:

Homerton Healthcare NHS Foundation Trust

[Apply now on NHS Jobs for Locum Urological Surgeon Specialized in Cancer Diagnosis Management job \(opens in a new window\)](#) <sup>[52]</sup>

- **Locum Consultant Paediatric Surgeon with Interest in Oncology**

Leeds, LS1 3EX

Salary:

£109725.00 to £145478.00

Type:

Locum

Employer:

Leeds Teaching Hospitals

[Apply now on NHS Jobs for Locum Consultant Paediatric Surgeon with Interest in Oncology job \(opens in a new window\)](#) <sup>[53]</sup>

- **Consultant Ophthalmic Surgeon with specialist interest in Paediatrics**

Watford, WD18 0HB

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

West Hertfordshire Teaching Hospitals NHS Trust

[Apply now on NHS Jobs for Consultant Ophthalmic Surgeon with specialist interest in Paediatrics job \(opens in a new window\)](#) <sup>[54]</sup>

- **Consultant Surgeon with a Special Interest in Dermatology**

Kettering, NN16 8UZ

Salary:

£105504.00 to £139882.00

Type:

Permanent

Employer:

Kettering General Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Surgeon with a Special Interest in Dermatology job \(opens in a new window\)](#) <sup>[55]</sup>

- **Consultant Orthopaedic Surgeon (special interest in Hand and Wrist)**

Barnsley, S75 2EP

Salary:

£109725.00 to £145478.00

Type:

Permanent



Employer:

Barnsley Hospital NHS Foundation Trust

[Apply now on NHS Jobs for Consultant Orthopaedic Surgeon \(special interest in Hand and Wrist\) job \(opens in a new window\)](#) <sup>[56]</sup>

- **Locum ENT Consultant Surgeon with specialist interest in Paeds Otology**

London, E9 6SR

Salary:

£109725.00 to £145478.00

Type:

Fixed-Term

Employer:

Homerton Healthcare NHS Foundation Trust

[Apply now on NHS Jobs for Locum ENT Consultant Surgeon with specialist interest in Paeds Otology job \(opens in a new window\)](#) <sup>[57]</sup>

- **Locum ENT Consultant Surgeon with a specialist interest in Otology**

London, E9 6SR

Salary:

£109725.00 to £145478.00

Type:

Fixed-Term

Employer:

Homerton Healthcare NHS Foundation Trust

[Apply now on NHS Jobs for Locum ENT Consultant Surgeon with a specialist interest in Otology job \(opens in a new window\)](#) <sup>[58]</sup>

- **Locum Consultant General Surgeon with an interest in Upper GI**

Blackpool, FY3 8NR

Salary:

£105504.00 to £139882.00

Type:

Fixed-Term

Employer:

Blackpool Teaching Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Locum Consultant General Surgeon with an interest in Upper GI job \(opens in a new window\)](#) <sup>[59]</sup>

- **Locum Consultant Plastic Surgeon in Hand Surgery or Skin and General**

Bradford, BD9 6RJ

Salary:

£105504.00 to £139882.00

Type:

Locum

Employer:

Bradford Teaching Hospitals NHS Foundation Trust

[Apply now on NHS Jobs for Locum Consultant Plastic Surgeon in Hand Surgery or Skin and General job \(opens in a new window\)](#) <sup>[60]</sup>

## • Further information

These organisations have further information about being a cardiothoracic surgeon, particularly as your career progresses. Take a look.

[Royal College of Surgeons](#) <sup>[61]</sup>

[Royal College of Surgeons of Edinburgh](#) <sup>[62]</sup>

[Royal College of Physicians and Surgeons of Glasgow](#) <sup>[63]</sup>

[Society for Cardiothoracic Surgery in Great Britain and Ireland](#) <sup>[64]</sup>

And hear from people working as cardiothoracic surgeons.

[A career in cardiothoracic surgery \(BMJ\)](#) <sup>[65]</sup>

[A day in the life of a thoracic surgeon \(CTSNET\)](#) <sup>[66]</sup>

[A day in a heart surgeon's life \(CTSNET\)](#) <sup>[67]</sup>

## Other roles that may interest you

- [Cardiologist](#) <sup>[68]</sup>
- [Emergency medicine](#) <sup>[69]</sup>
- [Respiratory medicine](#) <sup>[70]</sup>
- [Knowledge and library services](#) <sup>[71]</sup>

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**Source URL:** [https://www.healthcareers.nhs.uk/explore-roles/doctors/roles-doctors/surgery/cardiothoracic-surgery?field\\_field\\_role=516&page=9&destination=/my-account/my-bookmarks/1401](https://www.healthcareers.nhs.uk/explore-roles/doctors/roles-doctors/surgery/cardiothoracic-surgery?field_field_role=516&page=9&destination=/my-account/my-bookmarks/1401)

### Links

[1] [https://www.healthcareers.nhs.uk/glossary#Intensive\\_care](https://www.healthcareers.nhs.uk/glossary#Intensive_care) [2]

<https://www.healthcareers.nhs.uk/glossary#Stroke> [3]

<https://www.healthcareers.nhs.uk/glossary#Thrombosis> [4]

[https://www.healthcareers.nhs.uk/glossary#Foundation\\_training](https://www.healthcareers.nhs.uk/glossary#Foundation_training) [5]

<https://www.healthcareers.nhs.uk/explore-roles/doctors/career-opportunities-doctors/sas-doctors> [6]

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