

## **Surgical Skills Quiz**



1. Trainee surgeons can specialise in different types of surgery. Match the following areas of the body to the surgical speciality, for example, Kidneys and bladder = Urology.

and bladder = Urolog	y.	• ,
Body Areas		Surgical Specialities
kidneys & bladder 🧲		Vascular
arteries & veins		Cardiothoracic
heart & lungs		<b>y</b> Urology
bone & skeleton joints		Maxillofacial
neck & airways		Neurosurgery
injuries of the face		Otolaryngology (ENT)
brain & spinal cord		Paediatric
surgery on children		Plastic
injuries, including burns, to the skin		Orthopaedic
pain-relief for medical pro	Edinburgh surgeon, James Young ocedures. Which chemical did he esthetic properties that would ena	demonstrate, by using it on
Ethanol	Nitrous oxide (laughing gas)	
after surgery. 'Catgut' wa	ould use a length of 'catgut' to st as made of the dried twisted intes e surgical term for the material us	tines of sheep (nothing to
Resection   Retractor	Clamp	



blood picking up oxygen



4. Many medical words come from ancient Greek and Latin languages. Can you match the body parts with their medical terms, for example, chest cavity = thoracic)?

chest cavity	Empathi .	cardio
stomach		thoracic
heart	Longs- furthering	renal
kidney	Explination	Gastric  Allitricy  Allitricy
lungs	Non-	pulmonary
emove.	hat is inserted into the b	entify the cancer cells they need to ody and allows the surgeon to
	_	scope rongeur
	inful swelling of the appe	endix, which is located at the start o
he large intestine. A	damaged appendix can k y more commonly known	pe removed using laparoscopy. Whan as?
he large intestine. A		
he large intestine. A laparoscopic surger	y more commonly known	as?
the large intestine. A silaparoscopic surgery realignment	y more commonly known	as?
the large intestine. A salaparoscopic surgery realignment intestine replacemen	y more commonly known	as?
the large intestine. A staparoscopic surgery realignment intestine replacement key hole surgery resection	y more commonly known  t  at  art, doctors describe the	as?
the large intestine. A standard standard surgery realignment intestine replacement key hole surgery resection	eart, doctors describe the	as?  APPENDIX  e sound made by a beating heart as
the large intestine. A dis laparoscopic surgery realignment intestine replacement key hole surgery resection  In a healthy human he lub' and a 'dub' (lub-decended)	eart, doctors describe the ub). What causes the 'lub	as?  APPENDIX  e sound made by a beating heart as



## **Answers and teachers notes: Surgical Skills Quiz**



- 1. arteries & veins =  $\underline{\text{vascular}}$ , heart & lungs= cardiothoracic, bones & skeleton joints =  $\underline{\text{orthopaedic}}$ , neck & airway =  $\underline{\text{Otolaryngology}}$  (ENT), injuries of the face =  $\underline{\text{Maxillofacial}}$ , brain & spinal cord =  $\underline{\text{Neurosurgery}}$ , surgery on children =  $\underline{\text{paediatric}}$ , injuries, including burns, to the skin =  $\underline{\text{plastics}}$ .
- 2. <u>Chloroform</u>. Before the 19th century patients were awake for all operations as anaesthetics had not been discovered. James Young Simpson started looking for an alternative. He experimented with liquids that gave off a gas you would breathe in. He tried them out on himself. He fell asleep under his dining table! Chloroform was very easy to administer, a few drops from the bottle would be put on a cloth over the patients mouth and nose. When the patient breathed in the fumes they fell asleep. The discovery of anaesthetics meant surgery could now be performed pain free. This opened up many possibilities for operations. Before anaesthetic surgeons rarely operated on a patient's abdomen. Not long after the discovery of anaesthetics the first successful removal of an appendix was performed.
- 3. <u>Suture.</u> A suture is the material used to join together the open parts of a wound. Sutures are typically applied using a needle. Suture materials can be classed as either absorbable or non-absorbable. Absorbable sutures do not require the surgeon to remove them, as enzymes in your body naturally digest them. Non-absorbable sutures will need to be removed by the surgeon at a later date or in some cases may be left in permanently. Alternatives to suturing, include staples for closing large wounds, paper stitches / steri-strips (butterfly stitches) and surgical glue for head wounds.
- 4. Stomach = gastric, heart = cardio, kidney = renal, lungs = pulmonary
- 5. <u>Endoscope.</u> An endoscopy procedure is used in medicine to look inside the body. The procedure uses an endoscope (long, thin tube with a built-in camera) to examine the inside of a hollow organ or cavity in the body. Unlike many other medical imaging techniques, endoscopes are inserted directly into the body.
- 6. <u>Keyhole surgery.</u> Laparoscopy (keyhole surgery / minimally invasive surgery) is a type of surgical procedure that allows a surgeon to access the inside of the abdomen and pelvis without having to make large incisions (cuts) in the skin. The advantages of this technique over traditional open surgery include, a shorter hospital stay and faster recovery time for the patient. Less pain and bleeding after the operation, and reduced scarring.
- 7. The heart valves closing.