## **Nuclear Medicine**

1) Sort these	sentences into the co	orrect order		
Patient injected with radiopharmaceutical			HED-	_
• Comp	iter reconstructs imag	ie		
• Drug la	abelled with radioisoto	ppe	4.4	
• Patien	t imaged with Gamma	camera		Í
• Drug n	noves through bloods	tream to organ		
2) a) Which o	of these isotopes would choice.	d be suitable for ι	use as a tracer	?
<sup>14</sup> C <sup>57</sup> Co <sup>99m</sup> Tc <sup>15</sup> O	Carbon-14 Cobalt- 57 Technetium-99m Oxygen-15	half-life: 5730 half-life: 271 c half-life: 6hou half-life: 2mins	lays rs	
b) Why dic	I you choose that radi	oisotope?		
• • • • • • • • • • • • • • • • • • • •				
,	e following statements ial those that suggest Either		-	•
Gamma ys can only be appletely stopped	Exposure to radiation lead to sickness and	that a	tion most affects core dividing	ells
by lead		/ /	isote	ioactivo
	diation damages DNA d can cause mutations	Radiation can can but is also used to	use cancer in the	d as trac ne body