






Nuclear Medicine

1) Sort these sentences into the correct order

• Patient injected with radiopharmaceutical	
• Computer reconstructs image	
• Drug labelled with radioisotope	
• Patient imaged with Gamma camera	
• Drug moves through bloodstream to organ	

2) a) Which of these isotopes would be suitable for use as a tracer?
Circle your choice.

^{14}C	Carbon-14	half-life: 5730 years
^{57}Co	Cobalt- 57	half-life : 271 days
$^{99\text{m}}\text{Tc}$	Technetium-99m	half-life: 6hours
^{15}O	Oxygen-15	half-life : 2mins

b) Why did you choose that radioisotope?

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3) **Sort** the following statements into those that suggest radioactivity is **Beneficial** those that suggest it is **Harmful**, and those that suggest it could be **Either**

