

1.4_E

1. Laser surgery

Advantages + disadvantages	Laser	Trad.
target tumour more precisely	✓	X
bleeding, scarring, soreness	↓	↑
length of operation	↓	↑
outpatient possible	✓	X
subsequent infections	↓	↑
need for extra training	✓	X
level of safety precautions	↑	↓
cost and size of equipment	↑	↓
additional assistance to maintain equipment	✓	X
likelihood of repeat operation	↑	↓

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2. Landmarks in the history of medicine

Key dates in medicine

<u>400 BCE</u>	-	Greeks – Hippocrates – Hippocratic Oath
<u>C.2nd CE</u>	-	Romans – Galen – models of body
<u>1628</u>	-	W. Harvey – circulation of blood
<u>1796</u>	-	E. Jenner – vaccine for smallpox
<u>1865</u>	-	J. Lister – introd. antiseptics
<u>1870s</u>	-	L. Pasteur – vaccine for anthrax
<u>1928</u>	-	A. Fleming – discovery penicillin

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3. Alzheimer's

Stages of Alzheimer's

1. similar old age – memory loss
not noticed by others
2. decline memory non-recog. new people
personality change
symp. more evident to others
low / diag.
3. assistance needed to function
non-recog. surroundings
high / diag.
4. non-recog. individuals / wandering off /
lost and confused 2 incontinent
5. catatonic / rigid muscles
can't speak, sit, swallow, raise head
death 8 yrs. after diag.

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4. Early epidemiology – Dr John Snow

Identify source of cholera

Snow 1854

- Problem: prove water source of cholera
- Solution 1: microscope + chem. analysis – not successful
- Solution 2: spot map of victims – potentially successful
- Solution 3: interview residents – successfully identified pump as source

– Note no mechanism identified

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5. The endocrine system and thyroid

