Prescribing for patients at the end of life

Ritchie, Georgina Louise

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Question 1

(i) \( \frac{65,000,000}{500} = 130,000 \) people

(ii) 1,205 rounded up

Question 2

(i) 0.89 rounded up

(ii) venous

(iii) 78,000 26,000 26,000

Question 3

Bacteria will always be present in leg ulcers and routine prescribing of antibiotics does **NOT** improve healing. Culture swabs and antibiotics are only indicated if there is evidence of clinical infection such as inflammation/redness/cellulitis/increased pain/ purulent exudate/rapid deterioration of ulcer or pyrexia.

John is a 45 year-old joiner, has had a venous leg ulcer for approximately 9 weeks, he frequently doesn’t comply with his treatment plan and has developed cellulitis. In line with NICE (2015) guidance, he is prescribed Flucloxacillin 500mg four times daily for 7 days.

(i) \( 7 \times 4 = 28 \) tablets

(ii) \( 7 \times 500mg = 3500 \text{ mg} = 3.5 \text{ g} \) grams.

(iii) 500mg twice per day = 1 gram per day x 7 days = 7 grams in total.

(iv) Flucloxacillin £14.00

Table 2

<table>
<thead>
<tr>
<th>Drug</th>
<th>Dose</th>
<th>Duration of treatment</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flucloxacillin</td>
<td>500 mg four times daily</td>
<td>7 days</td>
<td>500mg capsule £7.50 x 28 capsules</td>
</tr>
<tr>
<td>Clarithromycin</td>
<td>500 mg twice daily</td>
<td>7 days</td>
<td>500mg tablet £21.50 x 14 tablets</td>
</tr>
</tbody>
</table>

Question 4

(i) \( 30 \text{ g per day x 7 days} = 210 \text{ grams per week} \)
\( 210 \text{ g per week x 8 weeks} = 1680 \text{ grams in total needed} \)
\( \text{Therefore 4 x 500 gram tubs at a cost of 6 x £6.32 = £25.28} \)

(ii) \( 30 \text{g of diprobase per day} = 210 \text{g} + 100 \text{mls of eucerin over 7 days total 310grams} \).

Question 5

\( 9 \times 64 \text{ mg} = 576 \text{ mg of codeine and 9 x 4000mg of paracetamol} = 36,000 \).
\( 576 / 36,000 \text{ in mg or 36 grams. Advise to buy over the counter} \).
Question 6

Minimum review of once per year, Arthur will live for 8 years and two months so a minimum of 8 more appointments will be needed.