

Immunotherapy in the emergency department:

Please tick your relevant grade:

Foundation trainee SHO/Junior clinical fellow ST3+/senior clinical fellow
Consultant

1. Which of these anti-cancer drugs are forms of immunotherapy? (Tick all that apply):

- | | |
|---|---------------------------------------|
| <input type="checkbox"/> Cisplatin | <input type="checkbox"/> Imatinib |
| <input type="checkbox"/> Bevacizumab | <input type="checkbox"/> Enzalutamide |
| <input checked="" type="checkbox"/> Pembrolizumab | |

How confident of your answers are you? (Tick as appropriate):

Completely unsure Somewhat unsure Somewhat confident Confident

2. Which of the following are established side effects of immunotherapy that require emergency treatment? (Tick all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Neutropenia <1 x 10 ⁹ /L | <input checked="" type="checkbox"/> Transaminitis |
| <input checked="" type="checkbox"/> Diarrhoea >10 episodes/day | <input checked="" type="checkbox"/> Skin rash involving 20% of body surface area |
| <input type="checkbox"/> Hypotension | |

How confident of your answers are you? (Tick as appropriate):

Completely unsure Somewhat unsure Somewhat confident Confident

3. Immunotherapy is first line treatment for which of the following malignancies? (Tick all that apply):

- | | |
|---|---|
| <input checked="" type="checkbox"/> Metastatic renal cell cancer | <input checked="" type="checkbox"/> Metastatic non-small cell lung cancer |
| <input checked="" type="checkbox"/> Metastatic melanoma | <input type="checkbox"/> Metastatic small cell lung cancer |
| <input checked="" type="checkbox"/> Triple negative breast cancer | |

How confident of your answers are you? (Tick as appropriate):

Completely unsure Somewhat unsure Somewhat confident Confident

4. Which of the following drugs are known to have significant drug-drug interactions with immunotherapy? (Tick all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Corticosteroids | <input type="checkbox"/> Proton-pump inhibitors |
| <input type="checkbox"/> Beta-blockers | <input type="checkbox"/> Antibiotics |
| <input type="checkbox"/> Anti-histamines | |

How confident of your answers are you? (Tick as appropriate):

Completely unsure Somewhat unsure Somewhat confident Confident

5. Which patients presenting with a fever to ED on the following drugs require empirical antibiotics? (Tick all that apply):

- | | |
|---|---|
| <input checked="" type="checkbox"/> Cisplatin | <input type="checkbox"/> Imatinib |
| <input type="checkbox"/> Bevacizumab | <input checked="" type="checkbox"/> Gemcitabine |
| <input type="checkbox"/> Pembrolizumab | |

How confident of your answers are you? (Tick as appropriate):

Completely unsure Somewhat unsure Somewhat confident Confident

6. Which represents optimal treatment for a patient on immune therapy (immune checkpoint inhibitor) presenting with fever and diarrhoea (3 episodes per day)? (Tick one):

- | | |
|---|--|
| <input type="checkbox"/> Admit for colonoscopy to confirm diagnosis | <input checked="" type="checkbox"/> Oral steroids and loperamide |
| <input type="checkbox"/> Oral steroids and antibiotics | <input type="checkbox"/> IV steroids |
| <input type="checkbox"/> IV steroids and infliximab | |

How confident of your answers are you? (Tick as appropriate):

Completely unsure Somewhat unsure Somewhat confident Confident

7. What proportion of cancer patients do you think are aware of the type of anti-cancer drug they are taking?

- | | |
|---------------------------------|----------------------------------|
| <input type="checkbox"/> 0-25% | <input type="checkbox"/> 50-75% |
| <input type="checkbox"/> 25-50% | <input type="checkbox"/> 75-100% |



