### ALGORITHM FOR SUSPECTED IMMUNE-RELATED ADVERSE EVENTS



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|          | Grade 1   | Grade 2  | Grade 3  | Grade 4   | Grade 5 |
|----------|---|--|--|---|---------|
| Diarrhea | Increase of <4<br>stools per day over<br>baseline; mild<br>increase in ostomy<br>output compared<br>with baseline | Increase of 4-6<br>stools per day over<br>baseline; IV fluids<br>indicated <24 hrs;<br>moderate increase<br>in ostomy output<br>compared to<br>baseline; not<br>interfering with ADL | Increase of ≥7<br>stools per day<br>over baseline;<br>incontinence;<br>IV fluids ≥24 hrs;<br>hospitalization;<br>severe increase in<br>ostomy output<br>compared to<br>baseline; interfering<br>with ADL | Life-threatening<br>consequences<br>(eg, hemodynamic<br>collapse) | Death   |

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### ENDOCRINOPATHY MANAGEMENT ALGORITHM



For numbered footnotes (1.2.3.4), please refer to further explanation and text found in the corresponding green to the right of the algorithm.

### HEPATOTOXICITY MANAGEMENT ALGORITHM



### ipilimumab HEPATOTOXICITY THERAPEUTIC INTERVENTION ALGORITHM

The most current experience with immune-related hepatitis has allowed further development of this management algorithm to include recommendations for treatment.

Situation: rising liver function tests (LFTs) >8x ULN or suspected immune-mediated hepatitis

- 1) Admit subject to hospital for evaluation and close monitoring
- 2) Stop further ipilimumab dosing until hepatotoxicity is resolved. Consider permanent discontinuation of ipilimumab per protocol
- 3) Start at least 120 mg methylprednisolone sodium succinate per day, given IV as a single or divided dose
- 4) Check liver laboratory test values (LFTs, T-bilirubin) daily until stable or showing signs of improvement for at least 3 consecutive days
- 5) If no decrease in LFTs after 3 days or rebound hepatitis occurs despite treatment with corticosteroids, then add mycophenolate mofetil 1 g BID per institutional guidelines for immunosuppression of liver transplants (supportive treatment as required, including prophylaxis for opportunistic infections per institutional guidelines)
- 6) If no improvement after 5 to 7 days, consider adding 0.10 to 0.15 mg/kg/day of tacrolimus (trough level 5-20 ng/mL)
- 7) If target trough level is achieved with tacrolimus but no improvement is observed after 5 to 7 days, consider infliximab, 5 mg/kg, once
- 8) Continue to check LFTs daily for at least 2 weeks to monitor sustained response to treatment

#### NEUROPATHY MANAGEMENT ALGORITHM

