

Small Group Tutorial – Toxicology – Iron

Reading:

- Chapter 3.43: Iron. Murray et al. Toxicology Handbook 2nd ed.
- Chapter 1.6: Gastro-intestinal decontamination. Murray et al. Toxicology Handbook 2nd ed.
- Chapter 1.7: Enhanced elimination. Murray et al. Toxicology Handbook 2nd ed.
- Article: Bateman. Iron. *Medicine* 2012 (provided)

1. What is the amount of elemental iron in the following:
 - a. 2 tablets of FeFol
 - b. 10 tablets of Ferro-Gradumet
 - c. 1 tablet of Ferro-*f*-tab

2. An 18 yo woman presents to ED following ingestion of 75 FeFol tablets. She weighs 50kg. Her vitals are: BP 85/40, HR 120, Sats 95%RA
 - a. What is your general approach to any poisoned patient?
 - b. What is the toxic dose of iron?
 - c. What are the toxic effects of iron?
 - d. What investigations would be useful?
 - e. Describe your management.

3. A distressed mother brings her 2 yo son to your ED. She saw him swallow the 3 Ferro-Gradumet tablets she left on the kitchen table.
 - a. What is your risk assessment?
 - b. Describe your management.

4. What methods of gastrointestinal decontamination and enhanced elimination are available to treat poisoned patients? For each method, give one specific indication.