

Station : poisoning with methanol

Time: 5 min

Type: must to learn 

Nice to learn

A patient, an 18-year-old male, presented to the emergency department with symptoms of nausea, vomiting, and visual disturbances that began two days prior, following a night out. Vital signs are as follows: SBP=90 mmHg, PR=140 bpm, O2 saturation=90%, and GCS=14. Laboratory results indicate a pH of 7.0 and HCO₃ of 7.

What are the necessary interventions?

Check list

Name and family name:

Student cod:

Checklist

- ☐

Items	Score	students' score
• Obtain a comprehensive history of alcohol consumption.	2	
• ☐ Monitor the patient and perform pulse oximetry.	2	
• ☐ Administer supplemental oxygen via nasal cannula.	2	
• ☐ Initiate intravenous normal saline (NaCl) infusion through a peripheral vein (16-18 gauge).	1	
• ☐ Request glucometer to evaluate blood glucose levels.	2	
• ☐ Request serum methanol level testing.	2	
• ☐ Note the administration of ethanol as an antidote (intravenously or orally).	3	
• ☐ Mention the administration of fomepizole as an additional antidote.	1	
• ☐ Indicate the prescribing of folic acid as part of the treatment regimen.	2	
• ☐ Reference coordination for potential hemodialysis.	2	
• ☐ Request consultation from the toxicology service	1	
Total Score		20

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