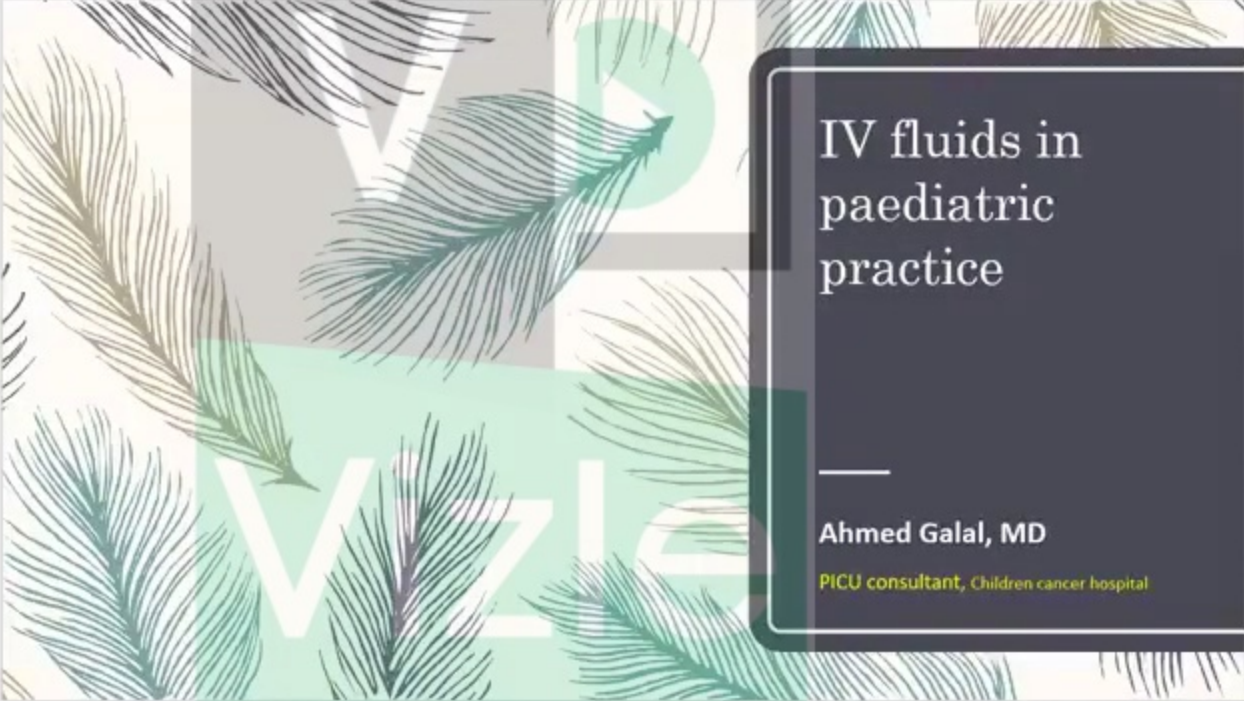


- 1 IV fluids in paediatric practice
- 2 Potassium homeostasis
- 3 Potassium homeostasis
- 4 Potassium homeostasis
- 5 Potassium Acid
- 6 Potassium homeostasis



IV fluids in paediatric practice

Ahmed Galal, MD

PICU consultant, Children cancer hospital



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Potassium homeostasis

K excretion

kidney

Intracellular

Colon



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hyperkalaemia

Causes

**Pseudo-
hyperkalemia**

Hemolysis
Tissue ischemia during blood drawing
Thrombocytosis
Leukocytosis

**Trans-cellular
shift**

Acidosis, rhabdomyolysis
Tumor lysis syndrome

hyperkalaemia

ECG changes?

Y

Cardiac muscle stabilizer

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Hypokalemia

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hypokalaemia

Approach

ask for

- **ABG** (metabolic alkalosis is associated with pseudokalemia, metabolic acidosis may be associated with hypokalemia in cases of tubular acidosis and should be treated after K correction).

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