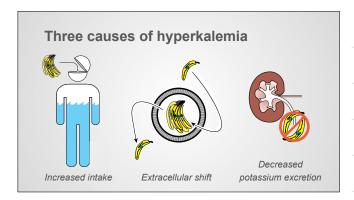
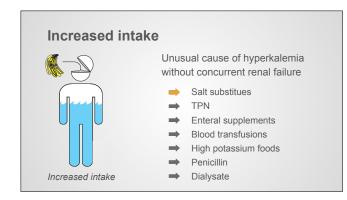


Hyperkalemia is a potassium over 5.4 mmol/L

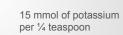


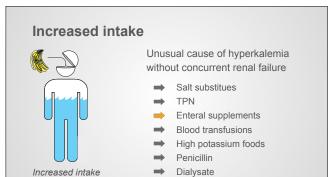


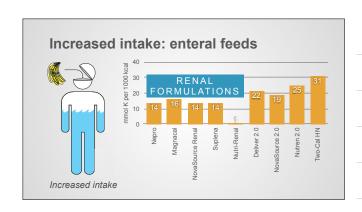


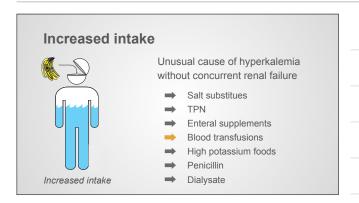
Salt substitues

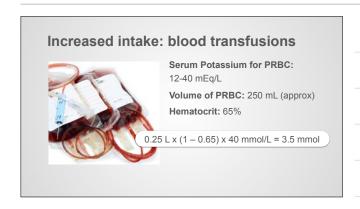
Increased intake











Unusual cause of hyperkalemia without concurrent renal failure ⇒ Salt substitues → TPN ⇒ Enteral supplements → Blood transfusions → High potassium foods → Penicillin → Dialysate

Increased intake: high potassium foods



Tomato Juice: 58 mmol/L
Noni Juice: 56 mmol/L
Orange Juice: 51 mmol/L
Pineapple Juice: 34 mmol/L

Increased intake: high potassium foods



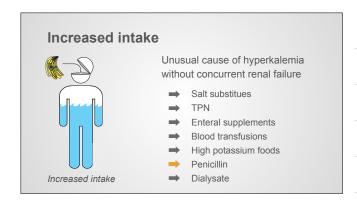
1 cup of white beans has 25 mmol of potassium

1 cup of cooked spinach has 20 mmol of potassium

1 baked potato has 23 mmol of potassium

1 banana has

1 mmol of potassium per inch



Increased intake: penicillin



Penicillin contains 1.7 mmol of potassium per million units

Cardiac Arrest due to Hyperkalemia following Intravenous Penicillin Administration* Charles W. Mercer, M.D. and Joseph R. Logic, M.D.

Increased intake: penicillin

"On the fourth hospital day, while the penicillin was (inadvertently) given as an intravenous *push*, the patient's eyes and head deviated to the right and she became unresponsive. An ECG revealed ventricular fibrillation from which she was quickly resuscitated..."

"On the eighth hospital day, she again received 4 x 10⁶ units of the same penicillin preparation intravenously in a drip (inadvertently)given rapidly in a 10-15 min period. Another episode of cardiac arrest occurred..."

Mercer CW, Logic JR. Cardiac arrest due to hyperkalemia following intravenous penicillin administration. Chest. 1973;64(3):358-9.

Increased intake



Increased intake

Unusual cause of hyperkalemia without concurrent renal failure

- → Salt substitues
- → TPN
- ➡ Enteral supplements
- → Blood transfusions
- → High potassium foods
- → Penicillin
- Dialysate

Increased intake: dialysate



Dialysate can be custom compounded in the pharmacy. Potassium is an ingredient.

Mistakes happen