Hyperkalaemia

1. **Respiratory acidosis = PCO_2 ↑ and sometime $[HCO_3^-]$ is high. Could be also due to Chronic Lung Disease or Neuromuscular Defect.**
2. **Rule out errors (Pre-analytical). E.g. delayed separation, ↑ WBC, ↑Plts and ↑ RBC.**
3. **↑ K^+ load or intake e.g. eating bananas (Orally).**
4. **Hypoaldosteronism (Addison's disease) and blockage of aldosterone.**
5. **↓ Renal K^+ excretion e.g. ↓ GFR or type IV RTA.**
6. **Cell lysis or ACE.**
7. **↓ Cortisol (have some mineralocorticoid effect).**
8. ***In-vivo* haemolysis or Rhabdomyolysis (muscle cell lysis) in case of ↓ O_2.**
9. **Trauma.**
10. **End stage renal failure (Creatinine > urea in body).**
11. **Na^+-K^+ pump failure.**
12. **Metabolic acidosis (↓ TCO_2) /Normal anion gap; ↑ K^+ IV type RTA.**
13. **Drugs: spironolactone.**
14. **Renin-angiotensin system blockage.**
15. **↓ insulin/hyperglycemia.**
16. **Digitalis therapy.**