



# Hypokalemia

Other causes of increased renal potassium loss

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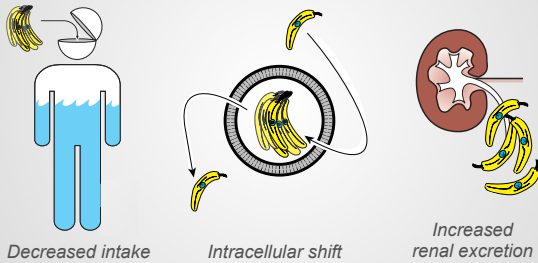
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## Three processes of hypokalemia



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## Increased renal excretion

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|---------------------------------|---|
| Secondary hyperaldosteronism    | Diuretics<br>Salt wasting nephropathies<br>Vomiting |
| Primary hyperaldosteronism      | Actual<br>Apparent                                  |
| Unreabsorbable anions           | Proximal RTA<br>Drugs                               |
| → Potassium wasting nephropathy | Polyuria<br>Distal RTA<br>Hypomagnesemia            |

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→ Potassium wasting nephropathy Polyuria



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### Increased renal excretion

**Secondary hyperaldosteronism** Diuretics  
Salt wasting nephropathies  
Vomiting

**Primary hyperaldosteronism** Actual  
Apparent

**Unreabsorbable anions** Proximal RTA  
Drugs

→ **Potassium wasting nephropathy** Polyuria  
Distal RTA  
Hypomagnesemia

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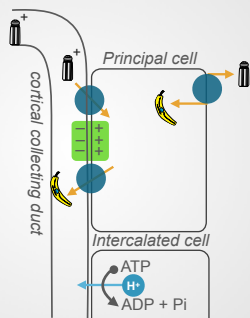
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→ Distal RTA



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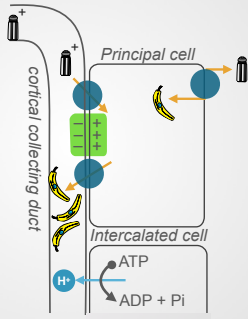
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→ Distal RTA



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**Increased renal excretion**

**Secondary hyperaldosteronism** Diuretics  
Salt wasting nephropathies  
Vomiting

**Primary hyperaldosteronism** Actual  
Apparent

**Unreabsorbable anions** Proximal RTA  
Drugs

→ **Potassium wasting nephropathy** Polyuria  
Distal RTA  
Hypomagnesemia

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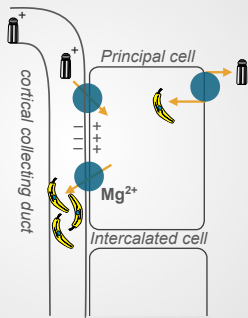
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→ Hypomagnesemia



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