

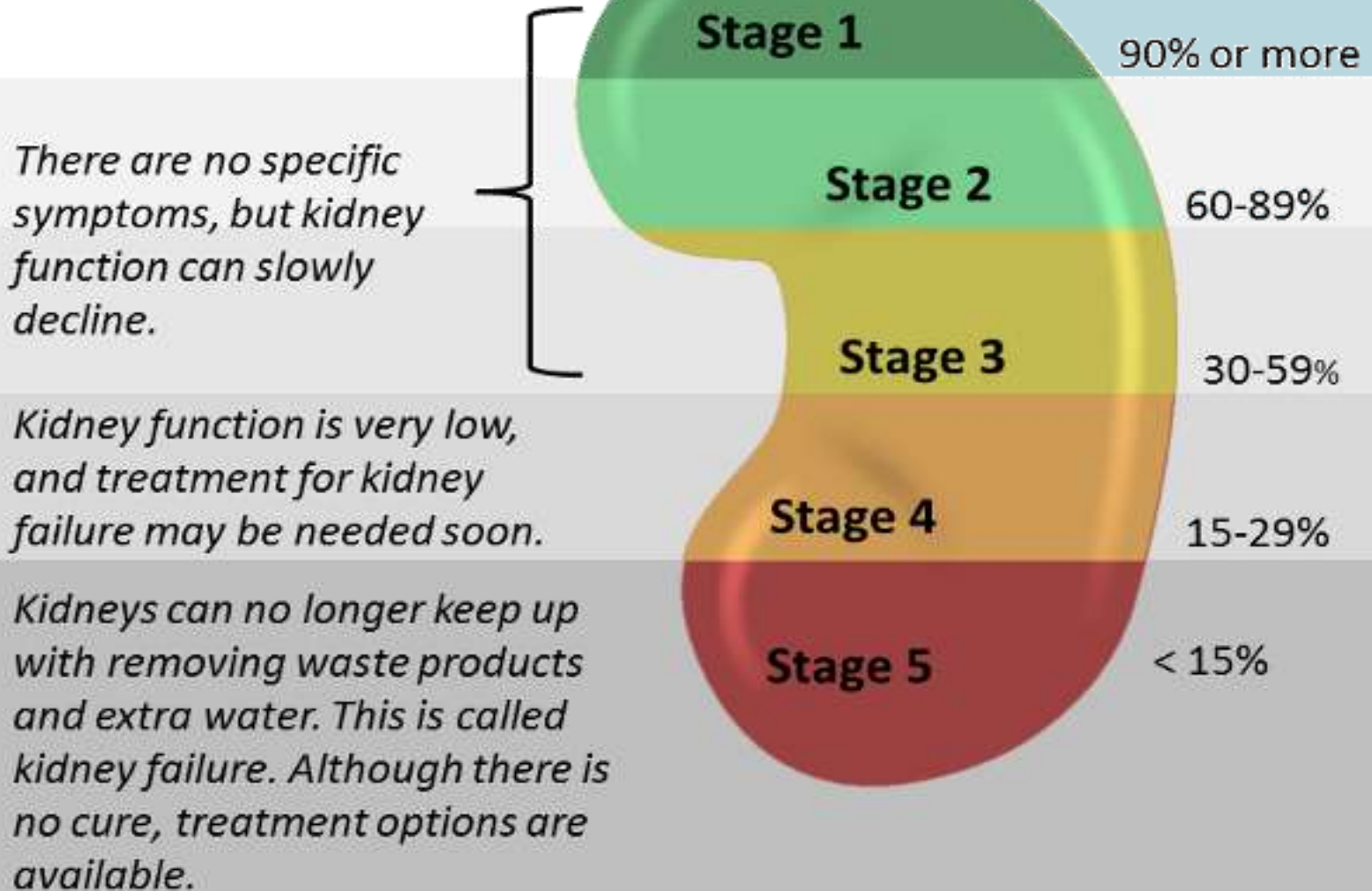


*Study of Circulatory levels of **PTH** and **Ca⁺⁺** in Chronic Renal Failure Patients on Hemodialysis*

Dr. Samira Asfoura

What happens?

% of normal kidney function



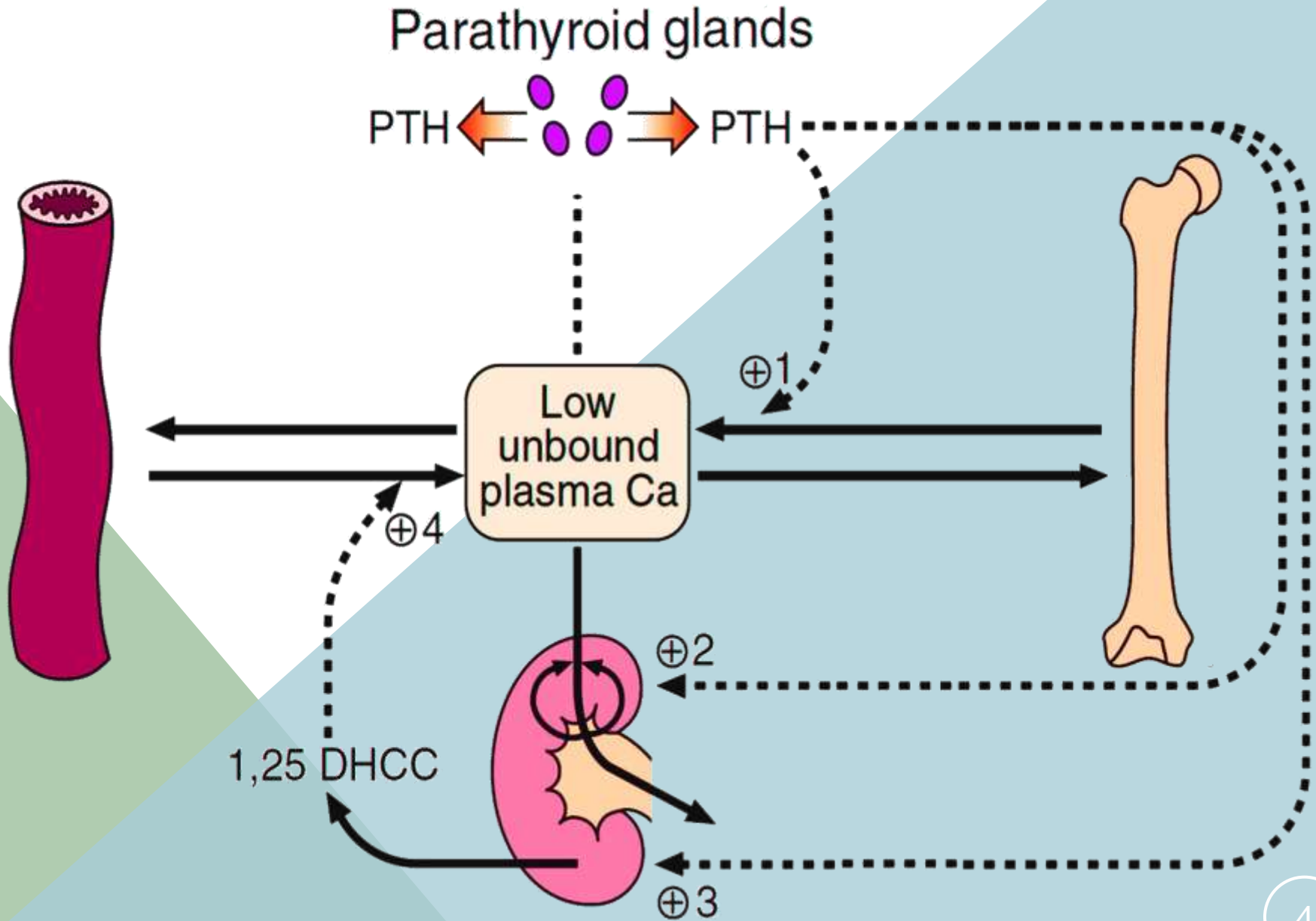
What is Hypocalcemia?

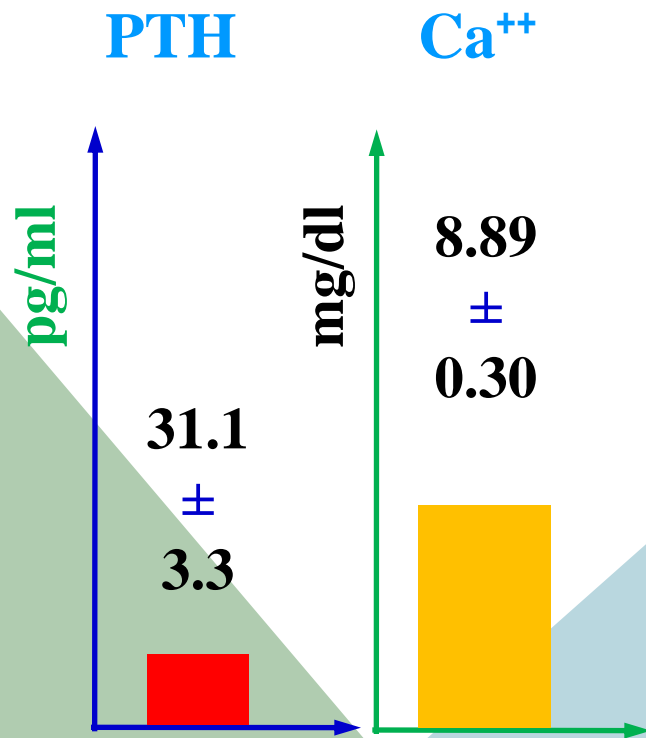
A decrease in the Serum Calcium < 8.5 mg/dl

Hypercalcemia (definition)

- *Serum calcium > 10.5 mg/dl*
- *Mild: Total ca. 10.5 – 11.9 mg/dl*
- *Moderate: Total ca. 12-13.9 mg/dl*
- *Severe: Total ca 14-16 mg/dl*

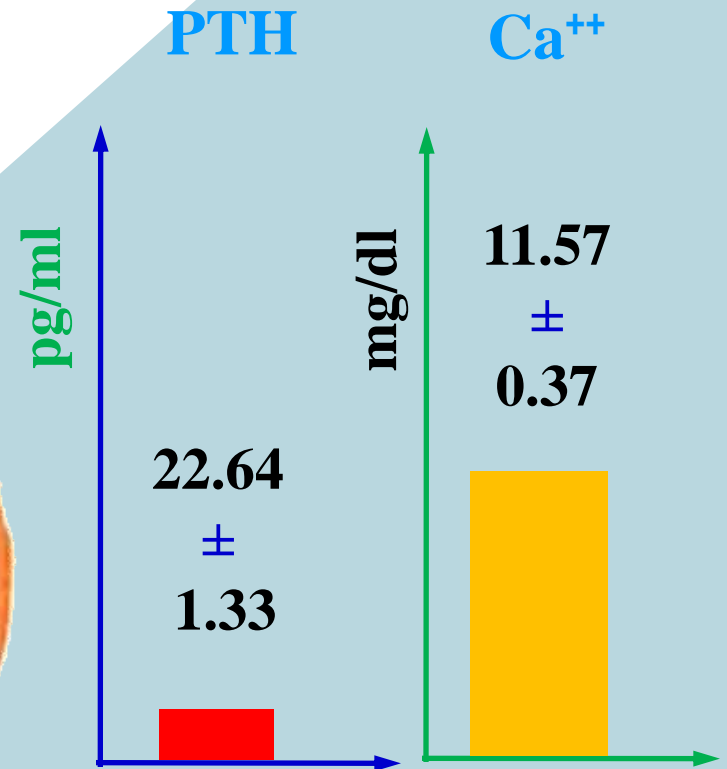
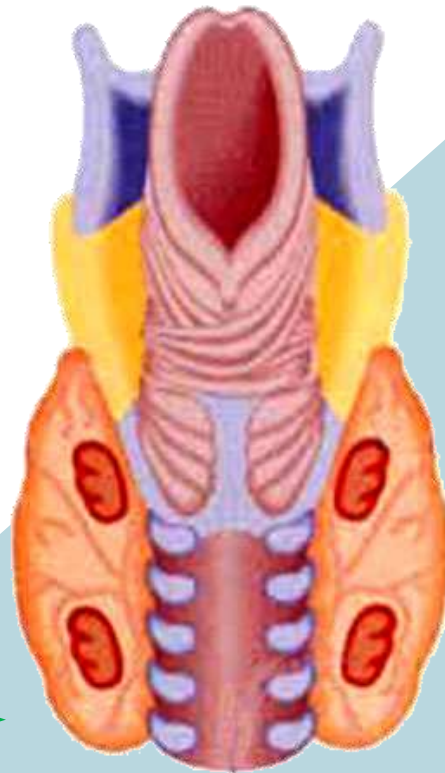
The effects of PTH in restoring a low plasma calcium to normal





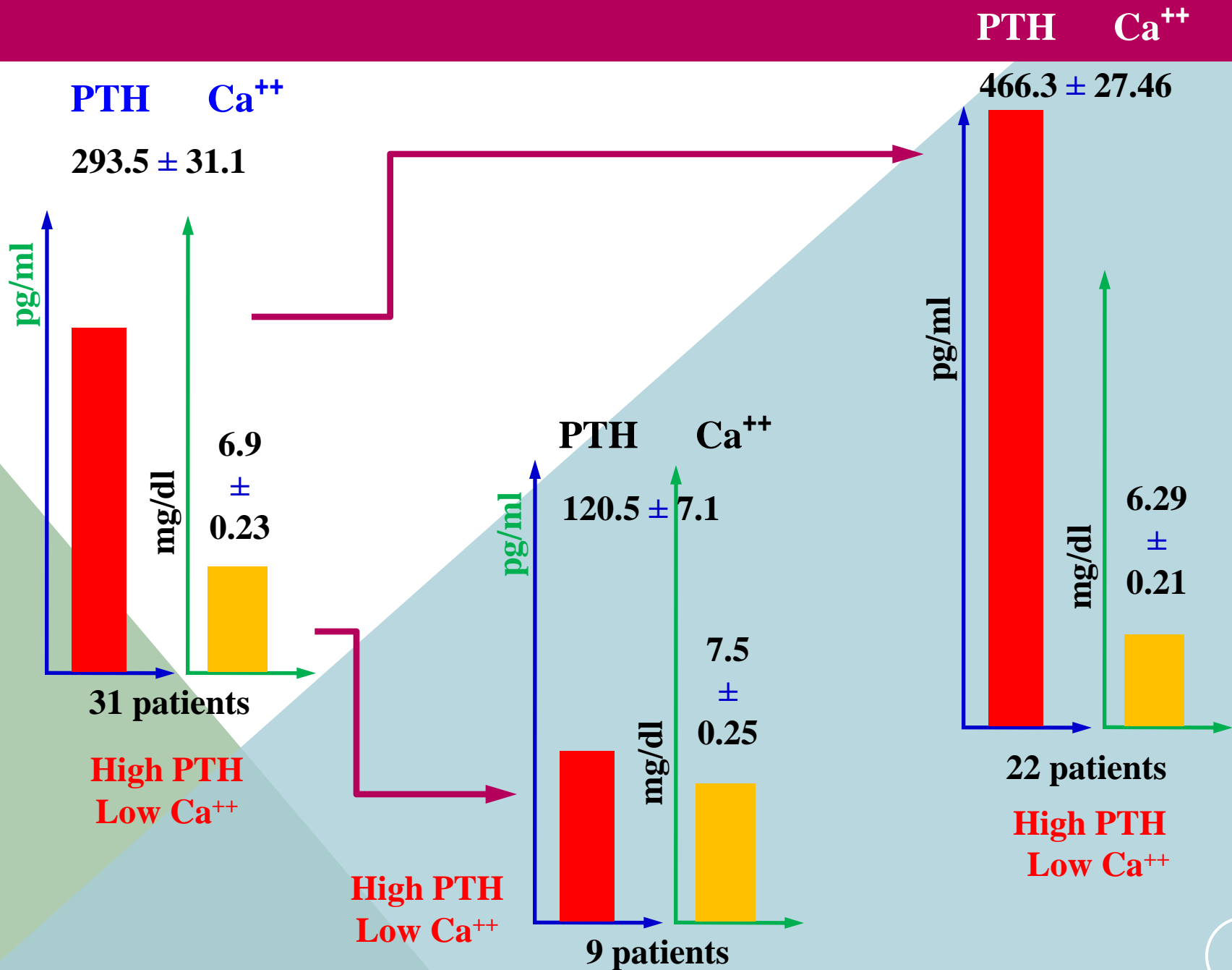
22 patients

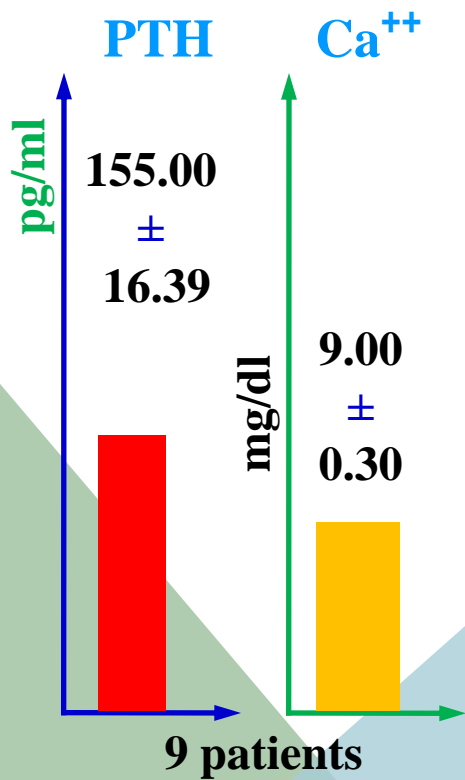
Normal PTH
Normal Ca⁺⁺



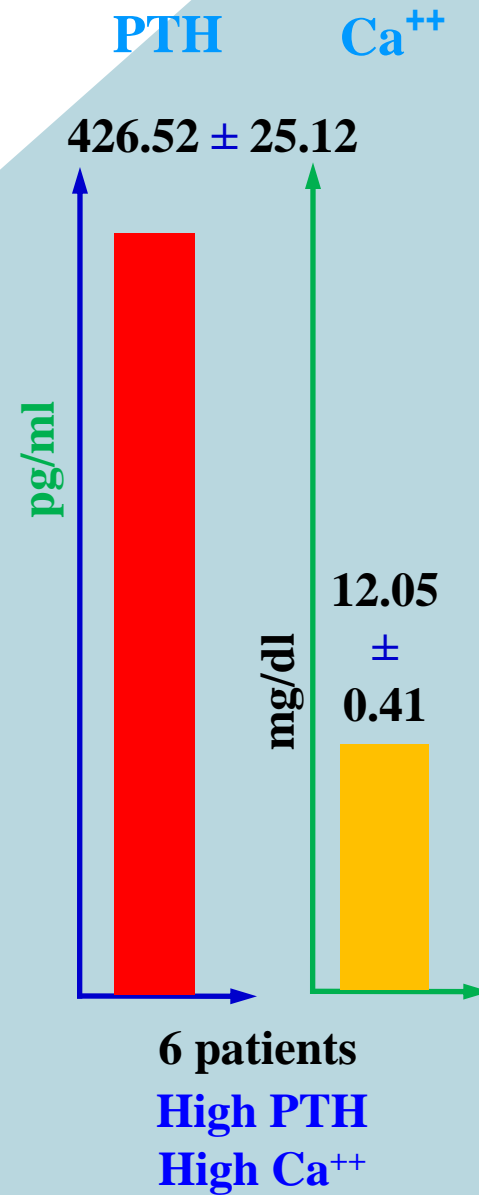
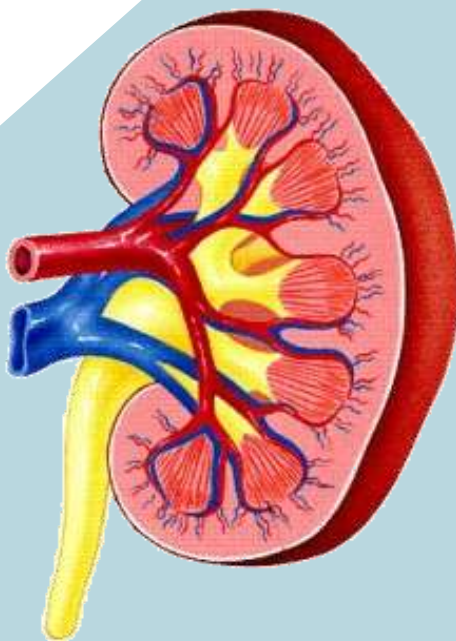
4 patients

Normal PTH
High Ca⁺⁺





High PTH
Normal Ca^{++}



*Thank You **For** Your
Listening*