Estimating renal function

- GFR=total amount of plasma filtered at the glomerulus.This is a special clearance of a substance that is just filtered.
- Clearance= the volume of plasma cleared of a substance per min due to either filtration or secretion
- RPF=amount of plasma that flows through the kidneys per unit of time
- In practice, RPF is difficult to calculate. Instead it is estimated from ERPF which is calculated from Cl PAH which is mainly secreted (80%)
- RBF=measure of blood (plasma+RBC) that passes through kidneys per unit of time
- Filtered Fraction FF=ratio of plasma filtered to renal plasma flow. FF=GFR/RPF
- Fractional Excretion=the fraction of a substance that is filtered and excreted in the urine.
- Fractional Reabsorption=the fraction of a substance that was reabsorbed after filtration.