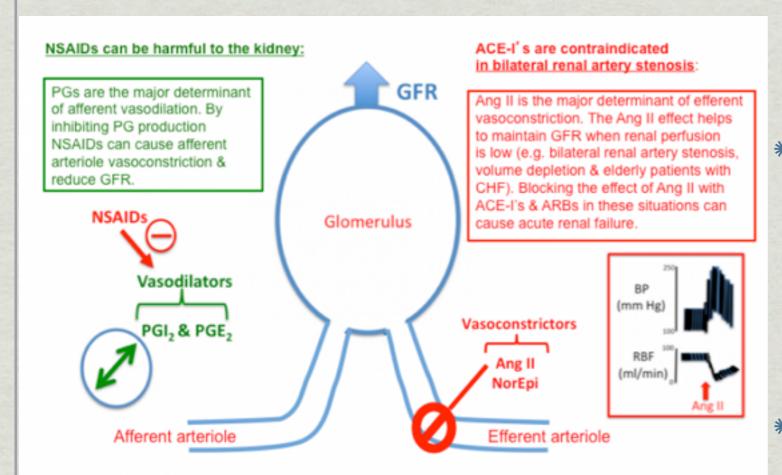
NSAIDs and ACEIs/ARBs in renal function



http://tmedweb.tulane.edu/pharmwiki/doku.php/ace_inhibitor_pharmacology

- NSAIDs produce GFR (both nonselective and COX2 selective) by inhibiting vasodilator action of PGE2 and PGI2 on the afferent arteriole.
- At renal level, ANG II constricts the efferent arteriole more than the afferent resulting an increased perfusion pressure (GFR). ANG II also stimulates PG E2 and I2 which dilates afferent arteriole and also GFR.

ACEIs/ARBs blocks ANG II effect ---->> GFR. So pay attention when GFR like : bilateral renal stenosis, volume depletion or elderly patients (GFR since only 1/3 of the nephrons are functional) since it may cause acute renal failure.