

## HIGH BLOOD PRESSURE OR HEART DISEASE

- ✓ American Heart Association (AHA) recommends starting with acetaminophen, aspirin, tramadol, narcotic analgesics, and nonacetylated salicylates in patients with known CV disease or risk factors.

***NSAID DRUG INTERACTIONS common with many necessary heart and blood pressure meds: aspirin,***

- ✓ *warfarin, low-molecular weight heparin, anticoagulants, diuretics, ACE-inhibitors, ARBs, direct renin inhibitor (aliskiren)*

## CHRONIC KIDNEY DISEASE

- ✓ Avoid oral NSAID's completely; 1 or 2 days MAY be ok with CKD 3 or even 4; topical medications (Voltaren) have same warnings but are felt to be safer
- ✓ Consider dose adjusting duloxetine for mild CKD
- ✓ Duloxetine contraindicated with creatinine clearance less than 30 and End Stage Renal Disease (ESRD)
- ✓ Tramadol contraindicated with Cr Cl less than 30 and ESRD

## AGE OVER 65

- ✓ Start low and go slow with all medications
- ✓ Avoid polypharmacy
- ✓ Despite cognitive concerns opioids may be only option very cautiously in these patients