**50S Protein Synthesis Inhibitors**

* Macrolides have many DDI’s with other drugs such as statins
  + ACE inhibitors, NSAIDs, Beta Blockers, statins
* Telithromycin has evidence for liver transplant
  + Dirithromycin, Azithromycin, Erythromycin, Telithromycin
* The macrolide Dirithromycin is a prodrug activated by hydrolysis
  + Dirithromycin, Telithromycin, Erythromycin, Azithromycin
* Synercid, a combination including quinupristin and dalfopristin, can only be administered IV
  + Orally, IV, intrathecal, injection
* High levels of chloramphenicol may cause fatal neonatal toxicity and aplastic anemia
  + Thrombocytopenia, hemolytic anemia, aplastic anemia, leukemia
* A side effect of Streptogramin is muscle/joint pain
  + Muscle/joint pain, myalgia, constipation, neuropathy
* Azithromycin has a caution for patients as risk of QT prolongation
  + Diabetes, Heart failure, QT prolongation, Liver failure
* Azithromycin has the least potential for Cyp450 inhibition
  + Azithromycin, Erythromycin, Telithromycin, Bleomycin