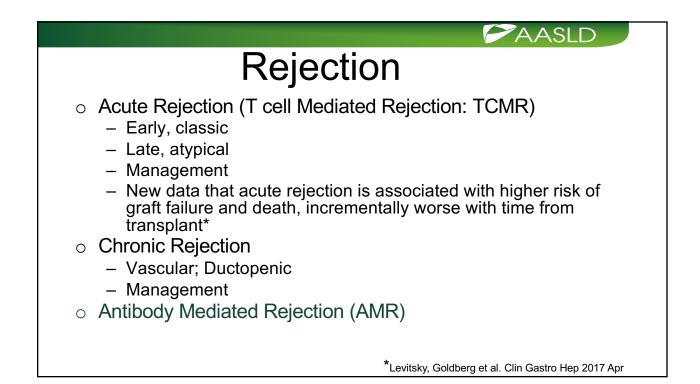
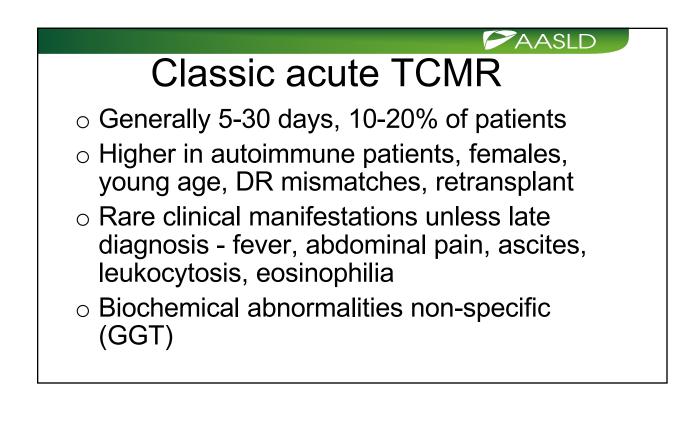
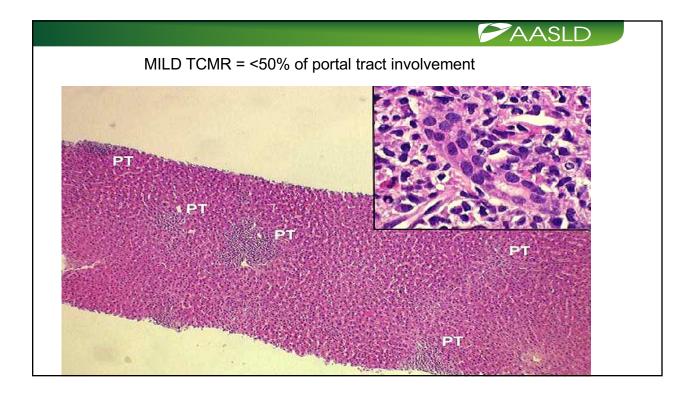
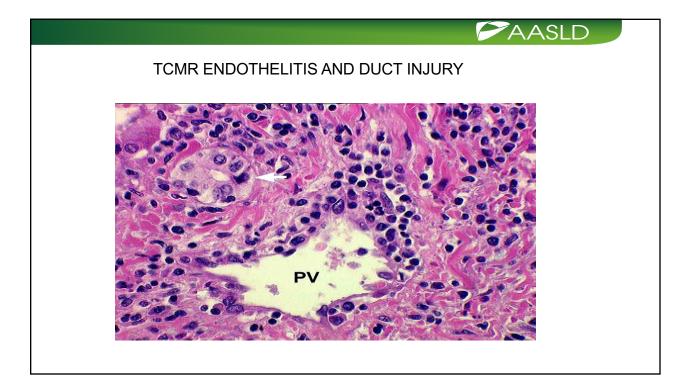


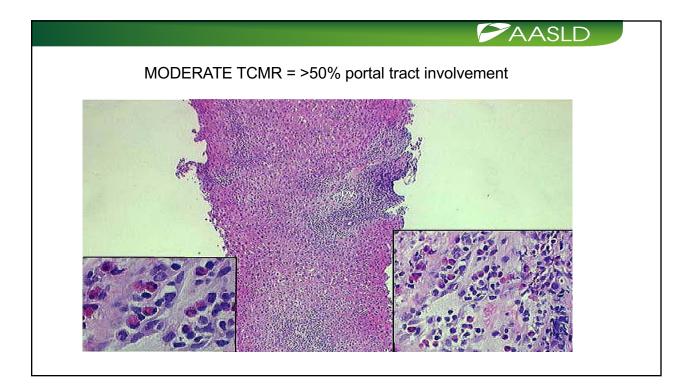
	AASLD
Interactions between Immunosuppressive Agents and Other Medications	
Drugs that <u>increase</u> CNI and mTOR trough concentrations (block CYP3A4/5):	
Macrolides: clarithromycin, erythromycin, azithromycin	
Antifungals: fluconazole, ketoconazole, itraconazole, voriconazole, clotrimazole	
Calcium channel blockers: verapamil, diltiazem, nifedipine	
Others: metoclopramide, danazole, HIV/HCV protease inhibitors, grapefruit juice	
Drugs that <u>decrease</u> CNI and mTOR trough concentrations (induce CYP3A4/5):	
Antibiotics: rifampin, rifampicin, rifabutin	
Anticonvulsants: phenytoin, phenobarbital, carbamezapine	
Others: St. John's Wort	

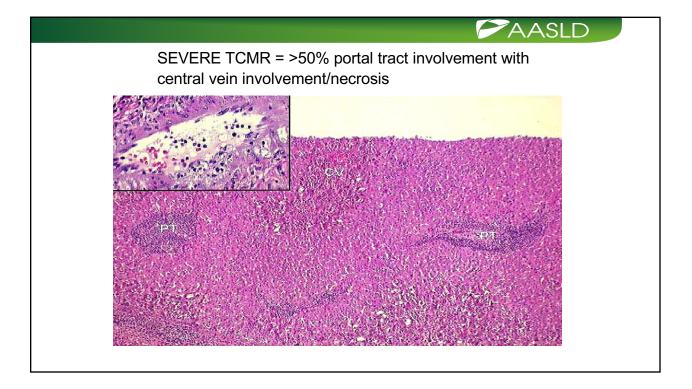


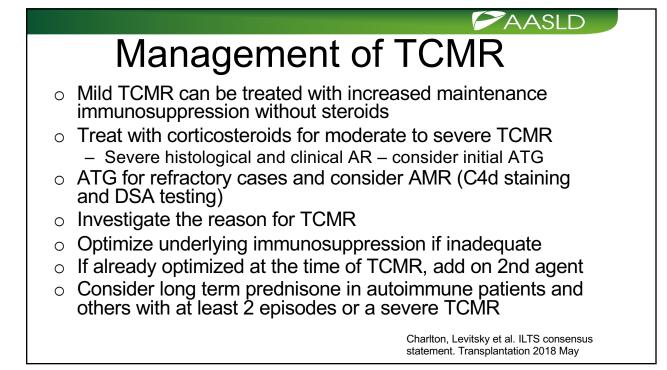


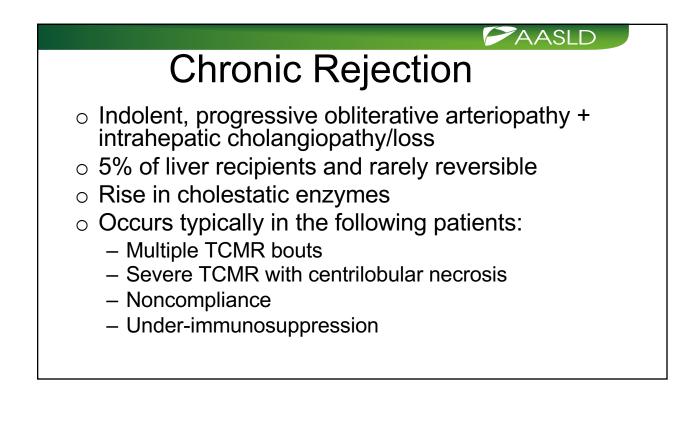


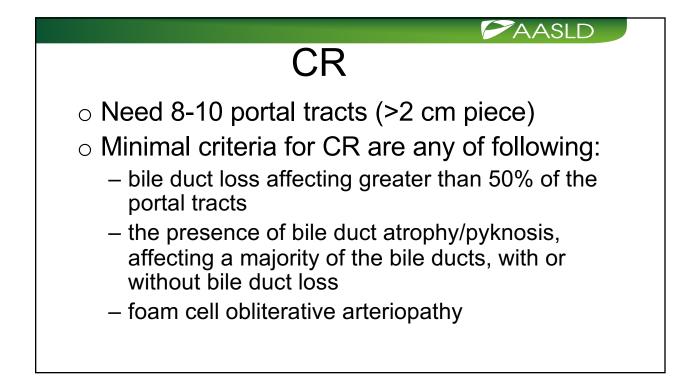


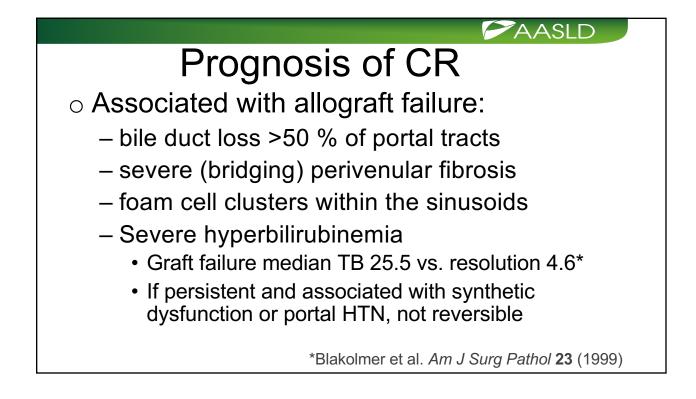


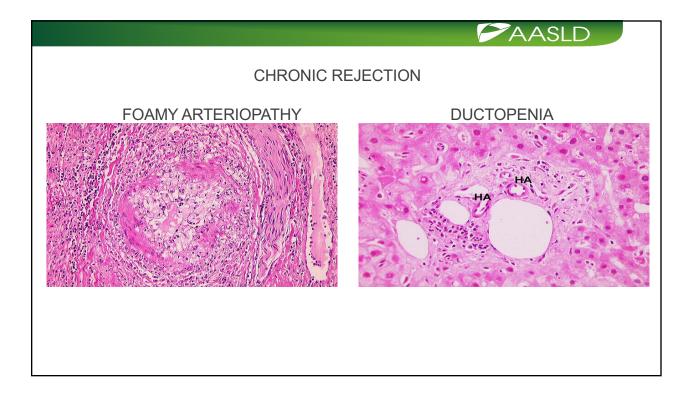


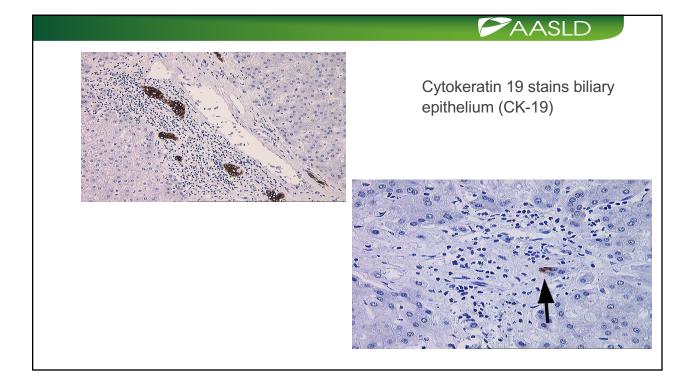


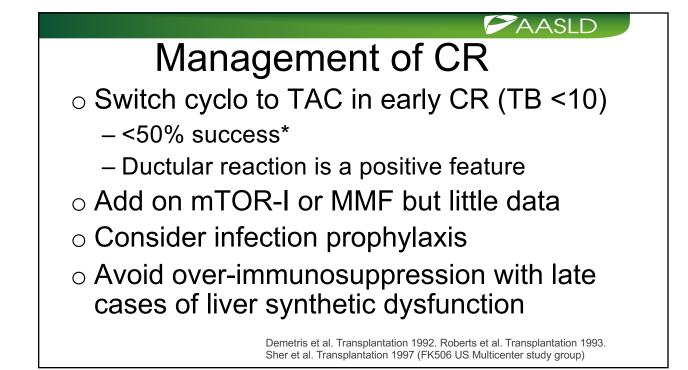










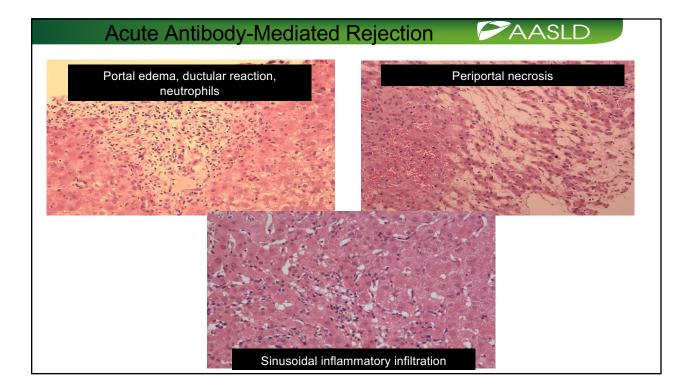


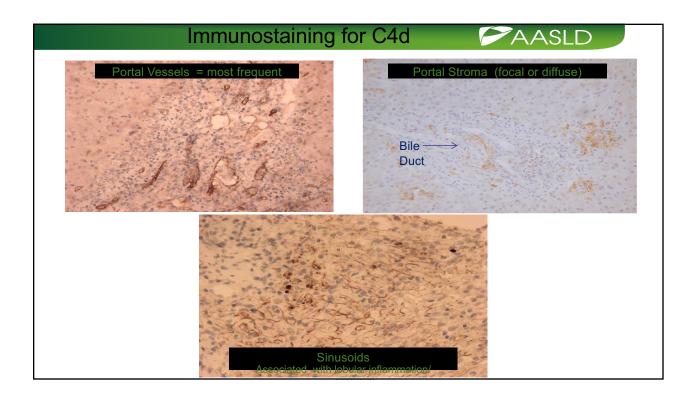
When to Consider AMR?

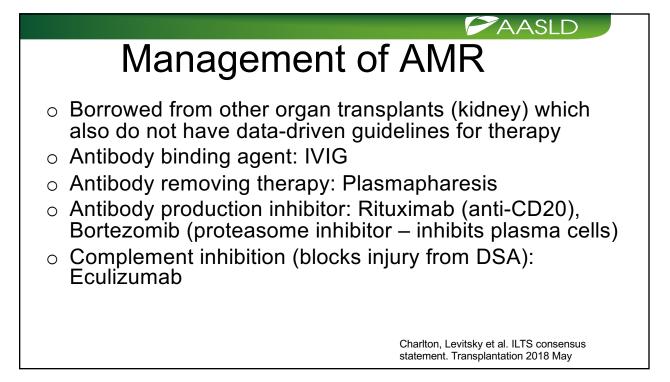
- o Refractory rejection (steroid resistant)
- Retransplant patient (sensitized)
- o HLA mismatch, positive X-match
- o Necrosis/Vascular Injury
- o SLK (kidney)
- o Unexplained chronic fibrosis or inflammation
- o Diagnosis: Histologic findings (next slides), C4d staining in the venules, presence of DSA

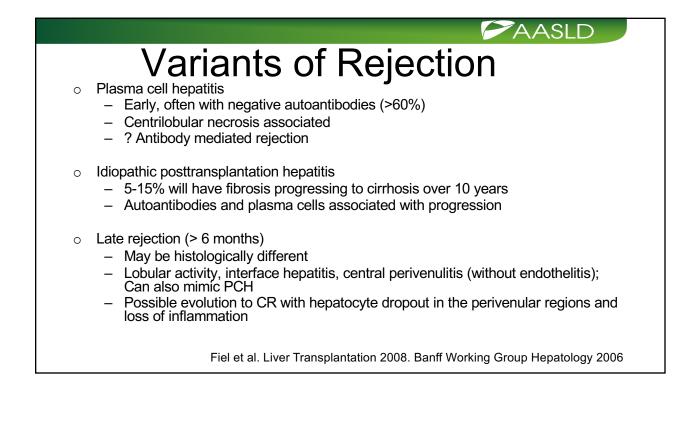
Demetris et al. AJT Oct; 16 (10): 2816-2835

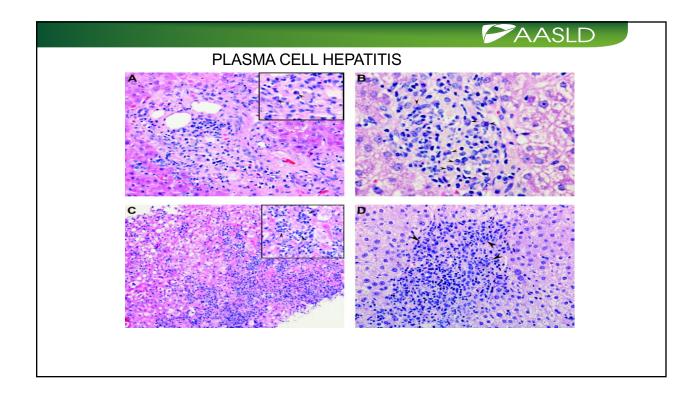
AASLD











PAASLD LT Recipients at Higher Risk for Immune-Mediated Injury Autoimmune liver disease 0 Previous episodes of rejection/late ACR 0 Necessitated minimization of maintenance immunosuppression 0 - PTLD - Setting of cancer chemotherapy - Sepsis - Attempt at immunosuppression withdrawal Non-adherence (standard deviation of trough levels) Presence of donor-specific HLA antibodies 0 Presence of certain viral infections, i.e. CMV, HCV 0 Banff Working Group on Liver Allograft Pathology; Liver Transpl 2012

