



Advancing GI Patient Care 2021

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Cholestatic Liver Diseases: Best Practices and Emerging Therapies

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Faculty Disclosures



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- There are no financial disclosures relevant to this topic to disclose.

Outline

- Primary Biliary Cholangitis (PBC)
- Primary Sclerosing Cholangitis (PSC)
- Management
- Emerging Therapies

Primary Biliary Cholangitis

- Chronic nonsuppurative cholangitis affecting interlobular bile ducts
- Middle aged female with elevation in alkaline phosphatase
- Serologic signature: antimitochondrial antibody (AMA)
- Primary symptoms: fatigue and itching
- Associated autoimmune conditions: Sjogren's, CREST, Raynaud's

PBC Diagnostics

- AMA Ab usually seals diagnosis
- Liver biopsy rarely needed: “florid duct” lesion
- Portal venules compressed by inflammatory reaction: portal hypertension without significant fibrosis
- “AMA negative PBC” treated the same

PBC Management

- Ursodeoxycholic Acid (UDCA) mainstay of treatment
 - 13 to 15mg/kg
 - Serial ALP monitoring
- 40% of patients do not respond to UDCA
- Obeticholic Acid (OCA)
 - Farnesoid X Receptor (FXR) Agonist
 - Begin at 5mg/day and titrate
 - Avoid in decompensated liver disease

Primary Sclerosing Cholangitis

- Multifocal extrahepatic bile duct strictures
- Strong association with inflammatory bowel disease
- Should be differentiated from IgG4 related cholangiopathy
- “Small-duct” variant

PSC Diagnosis

- MRCP is preferred diagnostic
- Liver biopsy rarely needed; “onion skin” fibrosis
- Dominant Stricture: clinically significant stenosis in the extrahepatic biliary tree
 - <1.5 mm in CBD; <1 mm intrahepatic

PSC Management

- AASLD recommends against use of UDCA in PSC
 - “High dose” not recommended; intermediate doses sometimes considered
- Evaluation and stenting of dominant strictures; antibiotics for cholangitis

PSC Surveillance

- Colorectal cancer
 - Fivefold increased risk compared to IBD with no PSC
- Cholangiocarcinoma
 - Lifetime risk up to 20%
 - Serial MRCP and CA 19-9
 - Suspicious lesions: ERCP for tissue analysis

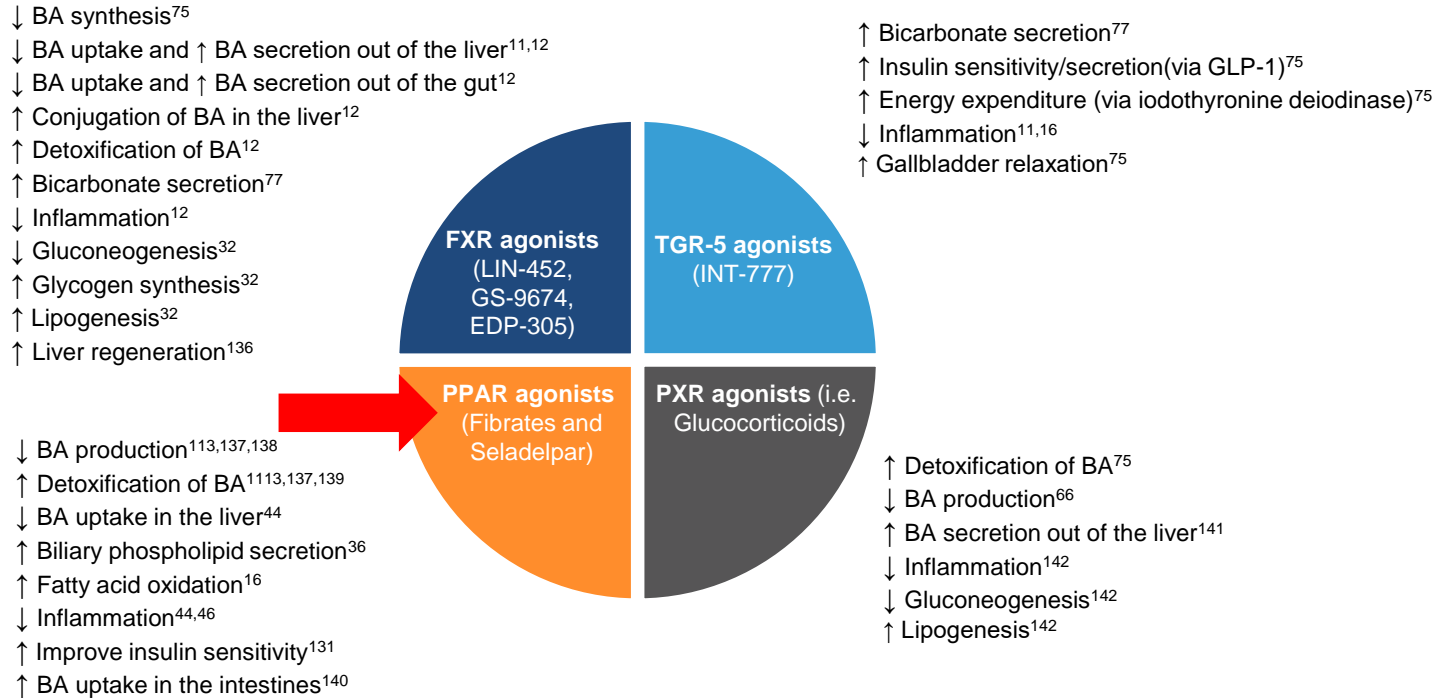
Cholestatic Disease Management

- Pruritis
 - Diverse mechanisms
 - Treatment involves trial and error
 - Lifestyle measures
 - Cholestyramine 4 grams a day titrated up
 - Naltrexone 12.5 mg BID
 - Rifampin
 - SSRIs

Cholestatic Disease Management

- Bone Health
 - Greater risk of osteopenia/osteoporosis
 - Bone mineral density screening every 2 years
 - Calcium and vit D supplementation
- Advanced Fibrosis
 - Transient elastography validated for staging
 - Variceal Screening
 - Biannual HCC screening in cirrhotic
 - Referral to liver transplant center

Emerging Therapies



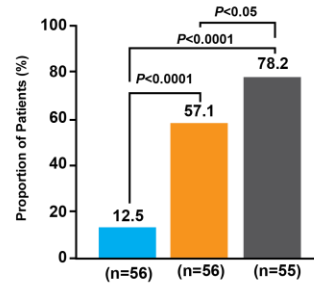
Fibrates

- FDA Approved for lipid-lowering
- Activate PPAR α
- Open-label study: PBC subjects with an ALP > twice ULN after UDCA treatment treated with fenofibrate 160 mg/day for 48 weeks
 - Serum ALP decreased by approximately 50% at the end of the study period
- Side effects: heartburn, myalgias, rise in aminotransferases

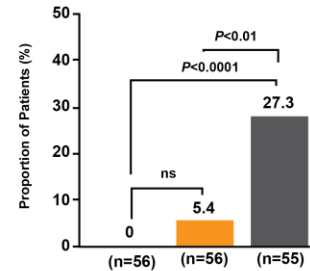
Seladelpar

After 3 Months of Treatment

78% met composite endpoint

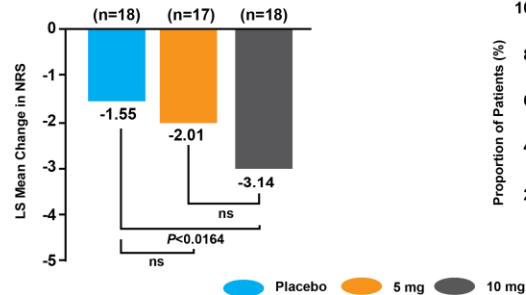


27% of patients normalized ALP



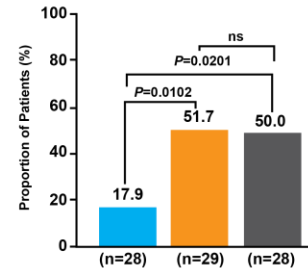
Significant improvement in pruritus

Patients with baseline NRS ≥ 4

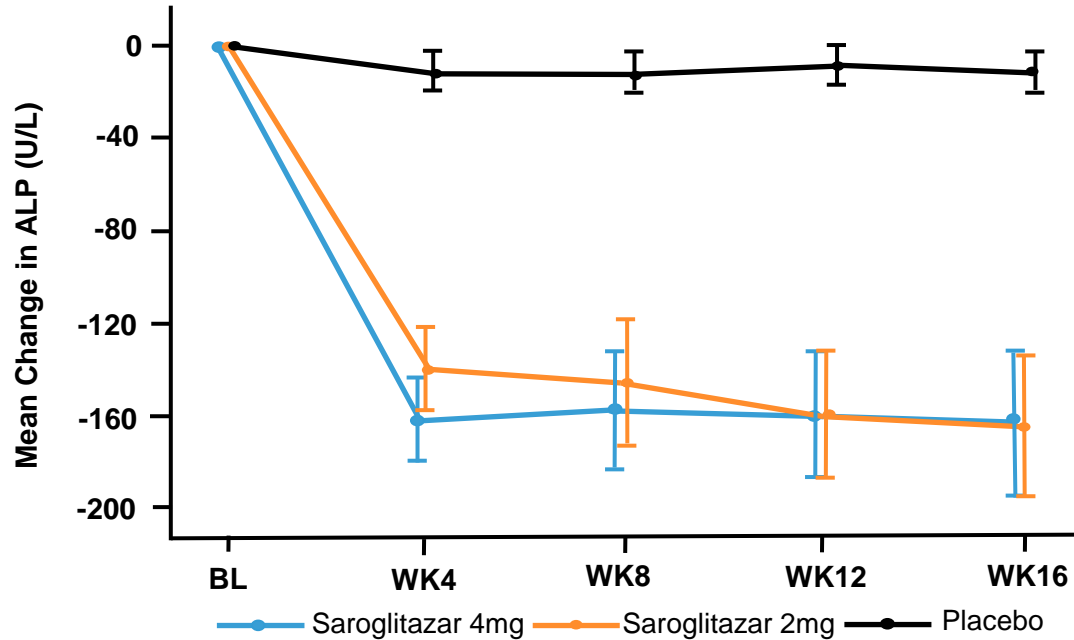


50% normalized ALT

Patients with baseline ALT \geq ULN



Saroglitazar



Summary

- Cholestatic disorders impair liver function and quality of life
- Liver biopsy rarely needed
- Management of pruritis is trial and error
- Cancer screening critical in PSC
- Medical therapy remains an unmet need, but armamentarium is growing