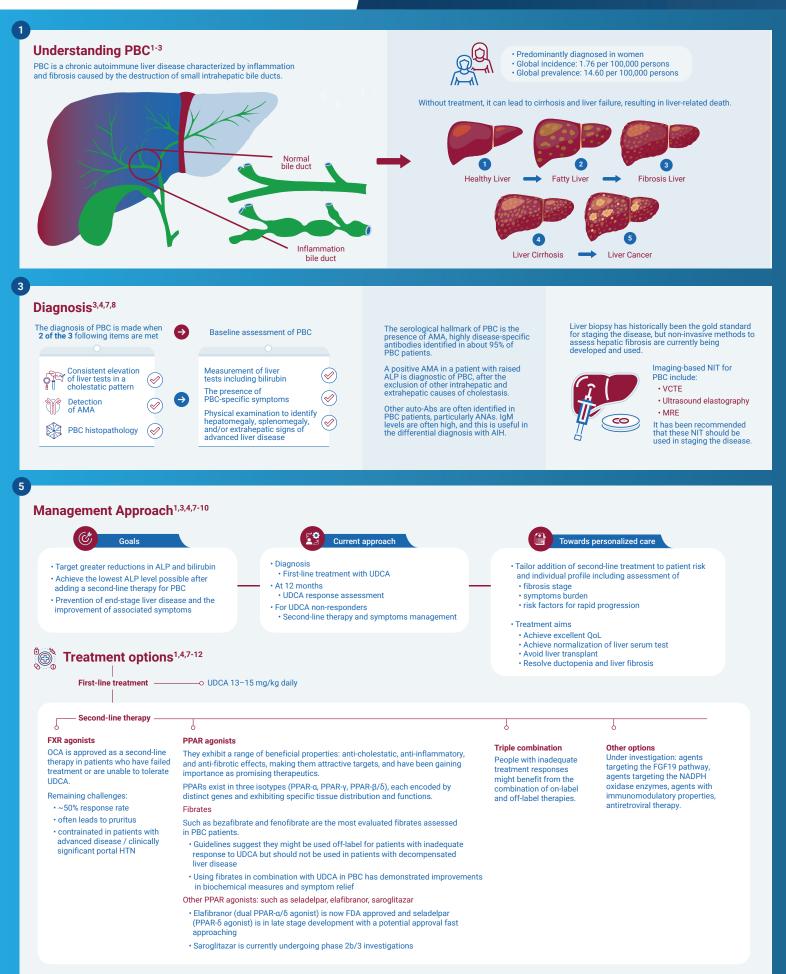
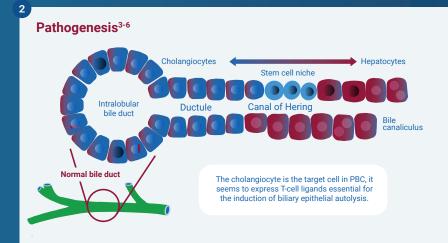


Improving **PBC** outcomes by prioritizing patients' needs

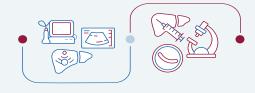
## **BREAKING DOWN PBC** A COMPREHENSIVE GUIDE



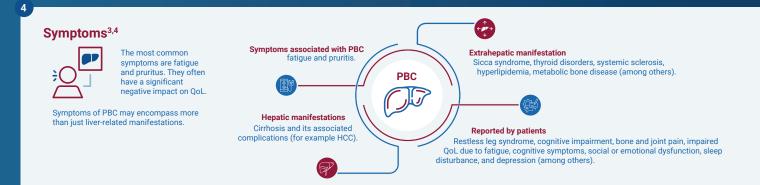




Growing evidence indicates that the apoptosis of cholangiocytes, also known as BECs, could be a primary mechanism in the development of PBC. The pathogenic mechanism is thought to originate from an impairment in immune tolerance, leading to the proliferation and activation of T and B lymphocyte clones specific to self-antigens. This, in turn, triggers the generation of circulating autoantibodies alongside various cytokines and inflammatory agents.



The loss of the canals of Hering (pictured, left) appears to be the earliest histologic change associated with PBC, with characteristic diagnostic findings becoming evident subsequently.



## Latest clinical data5,8,13

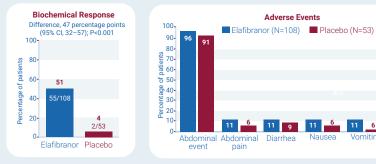
## OCA and bezafibrate

Two phase 2 clinical trials have assessed a range of doses and formulations of this combination in PBC patients with inadequate response to or were unable to tolerate UDCA.



Their latest data have shown that OCA-bezafibrate led to biochemical remission including normalized ALP, total bilirubin, GGT, ALT, and AST in 40-44% of patients after 12 weeks.

In particular, OCA-bezafibrate 400 mg showed a higher than 60% reduction in ALP and a higher than 20% reduction in total bilirubin in both studies.



Elafibranor

The latest phase 3 trial was a double-blind, placebo-controlled study where patients with PBC who had an inadequate response to or unacceptable side effects with UDCA were randomly assigned to receive elafibranor, once a day at a dose of 80 mg, or placebo.

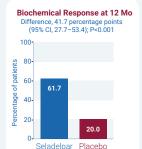
Primary endpoint: Biochemical response, defined as an ALP level <1.67 times the upper limit of the normal range, with a reduction of ≥15% from baseline, and normal total bilirubin levels. A biochemical response was observed in 51% of the elafibranor-treated patients vs 4% in placebotreated patients. At week 52, ALP level normalization was achieved in 15% of elafibranor-treated patients vs 0% in placebo-treated patients.

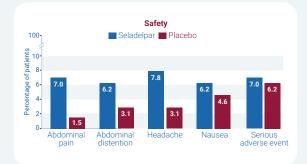
## Seladelpa

- The latest phase 3 trial was a double-blind, placebo-controlled study where patients with PBC who had an inadequate response to or unacceptable side effects with UDCA were randomly assigned to receive seladelpar 10mg once per day or placebo.
- Primary endpoint: Biochemical response, defined as an ALP level <1.67 times the upper limit of the normal range, with a decrease of 15% or more from baseline, and normal total bilirubin levels at 12 months.

A biochemical response was observed in 61.7% of the seladelpar-treated patients vs 20.0% in placebo-treated patients. ALP level normalization was achieved in 25% of seladelpar-treated patients vs 0% in placebo-treated patients.

Safety: AEs were reported in 86.7% of the patients in the seladelpar group and 84.6% in the placebo group, and serious AEs in 7.0% and 6.2%, respectively.





References 1. Levy C, et al. Clin Gastroenterol Hepatol 2023;21(8):2076–2087; 2. Trivella J, et al. Hepatol Commun 2023;7(6):e0179; 3. Sarcognato S, et al. Pathologica 2021;113(3):170–184; 4. Kowdley K, et al. Am J Gastroenterol 2023;118(2):232–242; 5. Zhao Y, et al. Front Immunol 2023;74:1164202; 6. Charatcharoenwitthaya P, et al. Ann Hepatol 2005;4(3):161–175; 7. Tanaka A, et al. Clin Mol Hepatol 2021;27(1):1–21; 8. Kowdley K, et al. N Engl J Med 2024;390(9):795–805; 9. Hirschfield G, et al. Hepatology 2023;78(2):397–415; 10. Vuppalanchi R, et al. Clin Transl Gastroenterol 2021;12(4):e00327; 11. Floreani A, et al. Biomeines 2022;10(8):2033; 12. Colapietro F, et al. J Transl Autoimmun 2023;6:100188; 13. Levy C, et al. AASLD 2023;Abstract 5019.

Safety: Incidence of AEs was similar in both groups, those that occurred more frequently with elafibranor than with placebo included abdominal pain, diarrhea, nausea, and vomiting.