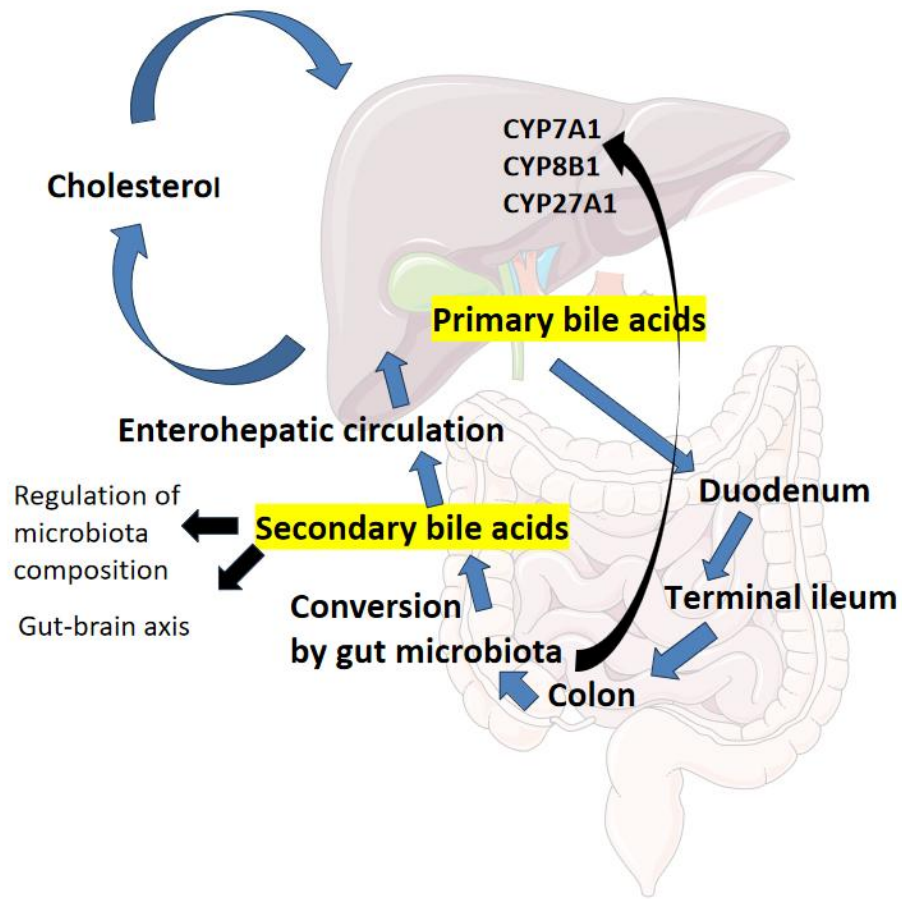


**Figure 1 Gut microbiota and liver connections.** The gut microbiota can have both positive and negative effects on liver function. The gut microbiota has direct and indirect effects on liver function and is involved in the regulation of metabolism and immunity through metabolite production, bile acid metabolism, eating behavior, and regulation of inflammation. The artwork used in this figure was adapted from Servier Medical Art (<http://smart.servier.com/>), licensed under CC BY 4.0 (<https://creativecommons.org/licenses/by/4.0/>). This license requires that reusers give credit to the creator. It allows reusers to distribute, remix, adapt, and build upon the material in any medium or format, even for commercial purposes.



**Figure 2 Metabolism and functions of bile acids.** The artwork used in this figure was adapted from Servier Medical Art (<http://smart.servier.com/>), licensed under CC BY 4.0 (<https://creativecommons.org/licenses/by/4.0/>). This license requires that reusers give credit to the creator. It allows reusers to distribute, remix, adapt, and build upon the material in any medium or format, even for commercial purposes.