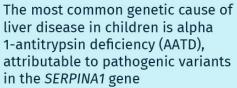
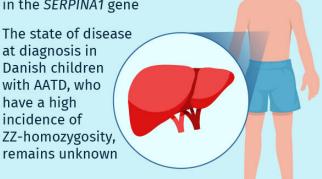
Evaluating Disease Status in Children with Alpha 1-Antitrypsin Deficiency



The state of disease at diagnosis in Danish children with AATD, who have a high incidence of ZZ-homozygosity,





Retrospective cohort study of children with pathogenic variants in SERPINA1 (N = 183)



Clinical characteristics



SERPINA1genotype



Blood serum (S) concentrations



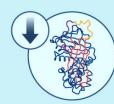
Compared with heterozygous children, ZZ-homozygous children showed:



Serum concentrations of liver enzymes



Conjugated bilirubin



Serum α1-antitrypsin (S-AAT)

Children under 6 months



High serum bilirubin concentrations

Children over 6 months



Normal serum bilirubin concentrations

A low S-AAT concentration and elevated liver markers strongly indicate homozygosity and measuring S-AAT concentration in children with prolonged neonatal jaundice is extremely important for disease diagnosis

Disease Status at Diagnosis in Danish Children with α1-Antitrypsin Deficiency

Winther et al. (2022)

