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# Alpha-1-antitrypsin deficiency

INSERM

## Source

*INSERM. (1999). Orphanet: an online rare disease and orphan drug data base. Alpha-1-antitrypsin deficiency. ORPHA:60*

Alpha-1-antitrypsin deficiency is a hereditary disease that develops in adulthood and is characterized by chronic liver disorders (cirrhosis), respiratory disorders (emphysema), and rarely panniculitis.