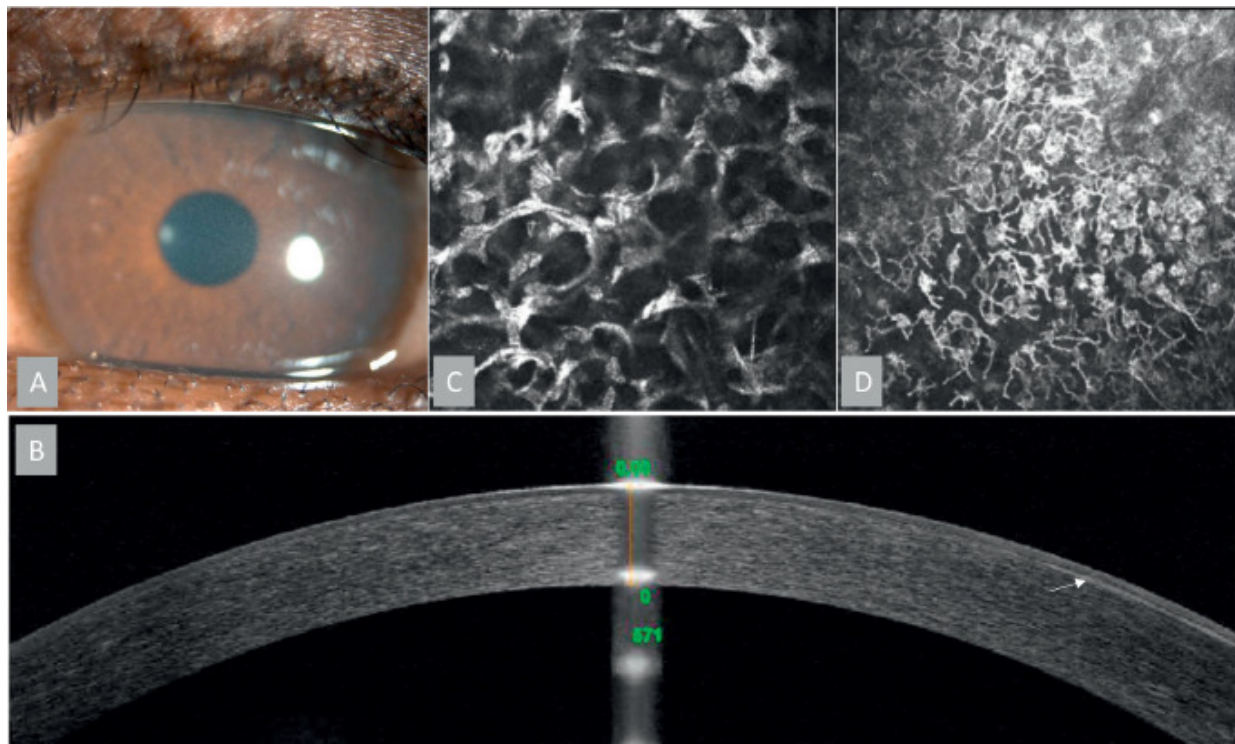


# In vivo corneal confocal microscopy revealing Gaucher disease in a child



A 11-year-old male without visual complaint was referred for diffuse dot-like gray corneal opacities within the stroma of both eyes (Fig. 1A). The lesions were not visible on optical coherence tomography (Fig. 1B), but hyperreflectivity was noted at the level of the Bowman layer in the periphery of the cornea (arrow). Confocal microscopy showed a strong hyperreflectivity of the cytoplasm of keratocytes (Fig. 1C) and dendritic cells (Fig. 1D). This occurrence in a child of consanguineous union was suspicious for a lysosomal storage disorder. Reduced glucocerebrosidase activity and homozygous *D409H* mutation led to the diagnosis of type III Gaucher disease.

Fig. 1XXX