Title: Utilizing the Finngen data to understand the genetic predisposition of post finasteride syndrome

Authors:
A K Rafeul Hasan, Neha Goel, Matti Nykter, Johanna Schleutker, Alfonso Urbanucci

Keywords:
Post Finasteride syndrome, GWAS, phenotype proxies

Abstract
Post-Finasteride Syndrome (PFS) is a condition characterized by persistent sexual, neurological, and psychological side effects in individuals who have discontinued finasteride treatment for androgenetic alopecia or benign prostatic hyperplasia. The underlying genetic predisposition to PFS remains poorly understood. In this study, we utilize data from the FinnGen project to investigate genetic factors associated with PFS through custom Genome-Wide Association Studies (GWAS). We identified a cohort of PFS patients using proxy phenotypes derived from medical records and prescription data. Our analysis aims to uncover genetic variants that may contribute to susceptibility to PFS, potentially providing insights into its pathogenesis and informing future therapeutic strategies.