Cytochrome P450 2D6 (CYP2D6) is an enzyme that in humans is encoded by the CYP2D6 gene. CYP2D6 is primarily expressed in the liver. It is also highly expressed in areas of the central nervous system, including the substantia nigra. Two classes of estrogen receptors (ER) exist: nuclear estrogen receptors (ERα and ERβ), which are members of the nuclear receptor family of intracellular receptors, and membrane estrogen receptors (ER-m) (GPER (GPR30), ER-X, and Gq-ER), which are mostly G protein-coupled receptors.

Gynecomastia: Etiology, Diagnosis, and Treatment

- Jul 07, 2019 - Gynecomastia is a relatively common disorder. Its causes range from benign physiological processes to rare neoplasms. In order to properly diagnose the etiology of the gynecomastia, the clinician must understand the hormonal factors involved in breast development. Parallel to female breast development, estrogen, GH, and IGF-1 are required for breast growth in males.