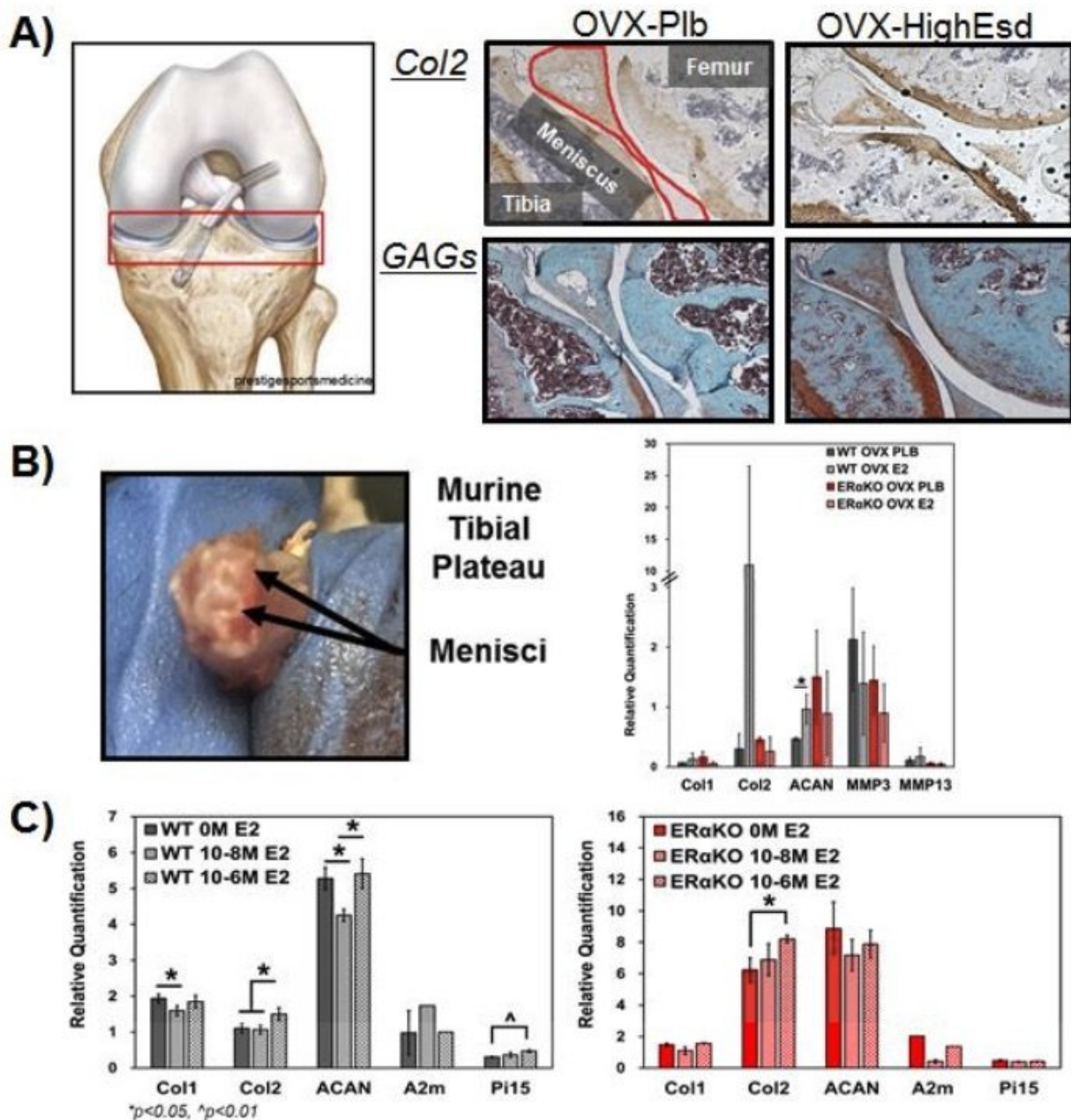


# Researcher evaluates estrogen as therapy for knee osteoarthritis

January 8 2019, by Brendan M. Lynch



Estradiol treatment in ovariectomized mice resulted in increase in collagen type II (Col2) and charged glycosaminoglycan (proteoglycans-SafO) histological staining (A) an increase in Col2 and aggrecan gene expression in WT but not estrogen receptor alpha knock out (ER $\alpha$ KO) mice (B) Estradiol treatment to meniscal fibrochondrocytes isolated from female WT and ER $\alpha$ KO mice resulted in increased gene expression of Col2 (C). n=6, \*p

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