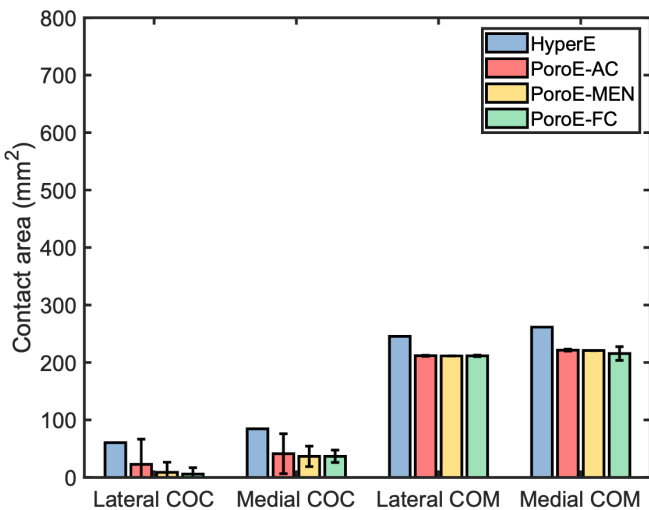
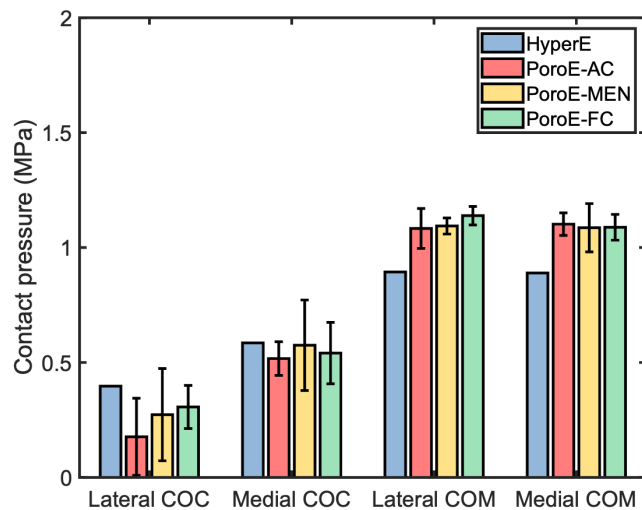




(a)



(b)

Model cohort	Articular cartilage	Meniscus	Contact friction coefficient
PoroE-AC	[25%, 175%] of baseline properties	Baseline	Baseline
PoroE-MEN	Baseline	[25%, 175%] of baseline properties	Baseline
PoroE-FC	Baseline	Baseline	[25%, 175%] of baseline properties
HyperE	Neo-hookean: $C_{10} = 1.0274$ $D_1 = 0.08$	$E_1 = E_2 = 6$ MPa; $E_3 = 21$ MPa; $\nu_{\text{in-plane}} = 0.3$; $\nu_{\text{out-plane}} = 0.2$; $G_{\text{out-plane}} = 8.08$ MPa	$F_{\text{CART-CART}} = 0.1$ $F_{\text{CART-MEN}} = 0.15$