

## Age related changes, from Chronic Atrophy in triceps surae muscle composition, strength, architecture and dynamics

UCSD





## Structure-Function of Human Pubo-rectalis & Anal Sphincter Muscle



EAS

ococcygeal Raphae





(A) Morphology, (B) 3D volume rendered; (C) Fiber Tractography, (E) Dynamics in the Anal Sphincter Complex



Normal and Injured Rabit Anal Sphincter Muscle
>1: Normal; 2: Myotomy/Injured
>Normal: 3: DTI, 5,7: Fiber– regular
> Necrosed: 4: DTI Spiculated, 6: Fibers interrupted by ECM
> Necrosis/ECM can be inhibited by down-regulating Wnt-signalling

D