Electromyography Upper Extremity Prosthetic
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**CLINICAL NEED**

No transhumeral prosthetic arm can achieve simultaneous degrees of freedom (DOF) with bio-signal control without Targeted Muscle Reinnervation (TMR)

**APPROACH**

Design a transhumeral EMG prosthetic limb that uses signal from controllable muscles to produces two simultaneous motions

**RESULTS**

Removes TMR surgery. More realistic functions to a human by creating simultaneous movements.

**IMPACT**