Age-related loss of early grasp affordance when viewing a safety handle

*Doug McDannald*
Affordance

• James Gibson – 1979

• “the opportunities for action that the environment presents to an animal”

• When we observe objects in close proximity, we also quickly process it in terms of how we can interact with it.
Proposed Affordance Competition Hypothesis Pathways

Cisek 2007
Principles of TMS
Affordances and Proximity

Cardellicchio 2011
Facilitation Timing During Observation

Franca 2012
Our Experimental Conditions
Facilitation Timing During Reach-to-grasp

FDI-OP

MEP Z-value

Young Adults

Older Adults

80ms 120ms 160ms

80ms 120ms 160ms