



## Thranhardt Lecture Series

Thursday October 8, 2015

8:45 AM – 10:00 AM

Don't miss the "best of the best" at the award winning Thranhardt Lecture Series. Launched by a gift from J.E. Hanger in memory of Howard R. Thranhardt, CP, the series offers an honorarium to the winners. This year's winning presentations are outlined below. (The following sessions run consecutively within this program.)

<p>8:50 AM – 9:04 AM</p>	<p><b>Can Individuals with Transtibial Amputation Reduce the Metabolic Demand of Walking Using Realtime Visual Feedback? (C1A)</b>  <i>Elizabeth Russell Esposito, PhD</i>            Identify if real-time visual feedback on both center of mass sway and thigh muscle activity can decrease the metabolic demand of walking for individuals with below knee amputation.</p>
<p>9:05 AM – 9:24 AM</p>	<p><b>Balance-Confidence May Help Explain Physical Function and Community-Integration among Individuals with Unilateral Transfemoral and Transtibial Amputations (C1B)</b>  <i>J. Megan Sions, PhD, DPT, PT, OCS</i>            Balance-confidence may be an overlooked factor in the treatment of individuals with transfemoral and transtibial amputations. Our research findings indicate that regardless of age, body mass index, amputation level, and presence of residual limb pain, individuals with low balance confidence have worse self-reported function, walking performance, and community-engagement when compared to their peers with high balance-confidence.</p>
<p>9:25 AM – 9:39 AM</p>	<p><b>High Prevalence of Cranial Asymmetry May Exist in Infants with Neonatal Brachial Plexus Palsy (NBPP) (C1C)</b>  <i>Megan Tang, MS</i>            The incidence of cranial asymmetry in infants with NBPP was examined by obtaining circumferential molds of the cranium. A high prevalence of plagiocephaly was observed (71%), which suggests tummy time should be encouraged in order to potentially reduce the chance of cranial asymmetry.</p>
<p>9:40 AM – 9:54 AM</p>	<p><b>Immediate Postoperative Prosthesis, a Comparative Analysis (C1D)</b>  <i>Art Shea, CPO</i>            This research is a comparative analysis of Immediate Postoperative Prosthesis (IPOP) vs. non IPOP patients following below knee amputations. An explanation of the IPOP protocol will be given and the medical results reviewed.</p>