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# Research Committee



**Thubi Kolobe, PT, PhD, FAPTA, Chair** *Department of Rehabilitation Sciences*

**Sarah S. Buckingham, PhD, CCC/SLP** *Department of Communication Sciences & Disorders*

**Carol Dionne, PT, DPT, PhD, OCS, Cert MDT** *Department of Rehabilitation Sciences*

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**Connie Mairs, MS** *Department of Medical Imaging & Radiation Sciences*

**Susan Sisson, PhD, CHES** *Department of Nutritional Sciences*

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## College of Allied Health

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# INAUGURAL RESEARCH DAY

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The University of Oklahoma Health Sciences Center  
College of Allied Health  
Oklahoma City — Room 1117  
Tulsa — Learning Center Auditorium

November 12, 2010

## PROGRAM

1:00 -1:15 Opening Remarks  
**P. Kevin Rudeen, PhD, Dean**

Moderator **Thubi Kolobe, PT, PhD, FAPTA**

1:15 – 1:30 **YK. Jan, PT, PhD**, BD. Struck, MD, RD. Foreman, PhD, C.  
Robinson, MS, OT/L, M. MacRobert, MS, RN  
*Wavelet Analysis of Blood Flow Oscillations to Assess Soft Tissue Viability in Older Adults*

1:30 – 1:45 **EE. Davidson, BS**, MB. Mitchell, BS, HR. Hull, PhD, MJ. Leyva, MS, RD/LD, Sandra Richardson, MS, RD/LD, SB. Sisson, PhD, CHES  
*Effects of Frequency of Family Dinners with the Television on*

1:45 – 2:00 **R. Deal, PhD**  
*Acoustic and Perceptual Correlates of Voice Associated with the Menses*

2:00 – 2:15 **J L. Graef, MS, HR. Hull, PhD**, C.Paley, MD, K. Navder, RD, PhD, D. Gallagher, EdD,  
*Maternal Dietary Consumption of Linoleic Acid is Inversely Related to Infant Fat Mass*

2:15 – 2:30 **LV. Lepak, DPT, MPH**, TW. Allen, DO, C. Robledo, PhD Candidate, D. Thompson, PT, PhD  
*A Randomized Control Trial Assessing the Effects of Localized Vibration on Flexibility in the Lumbar Spine and Lower Extremity*



2:30 – 2:45 **L. Hoffman, MS RD/LD**, V. Skaggs, PhD, A. Knehans, PhD  
*Predictive Factors for Weight Loss Following Pancreatic Surgery*

2:45 – 3:00 **B. Werner DeGrace, PhD, OTR/L**  
*Family Experiences and Health Following the Diagnosis of Autism: An Introduction to the FEHDA Model*

3:00 – 3:15 **K. Karner, M.S. CCC/SLP**, DD. Deweber, MS, CCC/SLP, S. Benson, PhD, CCC/SLP  
*Oklahoma Diversity Project: Exploring Ethnicity and Parental Perspectives in Autism Intervention*

3:15 – 3:30 **SH. Kimball, AuD**  
*Concerns Regarding Direct to Consumer Hearing Aids*

3:30 – 3:45 **CP. Dionne, PT, DPT, PhD, OCS, Cert MDT**, R. Schenk, PT, PhD, OCS, FAAOMPT, Cert MDT  
*Effectiveness of Mechanical Diagnosis and Therapy in Patients with Back Pain Who Meet a Clinical Prediction Rule for Spinal Manipulation*

3:45 – 4:00 Adjourn for Poster Session

4:00 – 6:00 Poster Session (See Insert) and Refreshments

5:00 – 5:30 Closing Remarks and Acknowledgements  
P. Kevin Rudeen, PhD, Dean

**Poster Number                      Research Presentations    (Presenter: **Bolded**)**

1. Garrison, D. W., Detre, J. A., James, S. A., **Boutsen, F. R.**, Karner, K., & Wu, D. *Comparison of common areas of brain function during motor execution, imagery, and passive visual observation of the same task: A fMRI study*
2. **Ciro, C. A.**, Ottenbacher, K. J., Kuo, Y-F., & Ostir, G. V. *Hospital depressive symptoms increase the odds of post-hospitalization ADL limitations*
3. **Ciro, C. A.**, Ottenbacher, K. J., & Ostir, G. V. *Depressive symptoms in hospitalized older adults: Patterns and correlates of change in a 3-month follow-up study*
4. **Hull, H.R.**, Thornton, J.C., Ji, Y., Paley, C., Yu, A., Navder, K., Dorsey, K., & Gallagher, D. *Higher infant body fat with greater gestational weight gain: A greater effect in overweight women*
5. **Sisson, S. B.**, Mitchell, M. E., Davidson, E. E., & Knehans, A. W. *Screen-based leisure time sedentary behavior in children: Reliability and validity of a new survey instrument*
6. **Ramey, E. S.**, DeGrace, E. W., Arnold, S. H., Richardson, S., & Sisson, S. B. *Decision making related to family dinner serving style*
7. **Espinoza-Varas, B.** & Rudeen, P. K. *Modeling the alcohol effect on cued go/no-go performance of social drinkers*
8. **Kolobe, T.H.A.** & Pidcoe, P. *Movement learning during prone progression in infants with and without cerebral palsy*
9. Arevalo, A., Catalino, T., & **Kolobe, T.H.A.** *Motor outcome and mother-child interactions during the first three years of life*
10. **Lee, B.**, Foreman, R. D., Ma, J-X., Garrison, D. W., Rabadi, M. H., & Jan, Y-K. *The effects of cooling on pressure ulcer development*
11. **Thiessen, A. S.**, Jones, M.A., Rabadi, M. H., Foreman, R. D., and Jan, Y-K. *Effect of wheelchair tilt-in-space and recline angles on skin perfusion over the ischial tuberosity in people with spinal cord injury*

12. **Jan, Y-K.**, Akbaran, M., Burns, S., James, S., & Soltani, J. *Effect of sympathovagal balance on posturally induced vasoconstrictive responses in people with spinal cord injury*
13. **Liao, F.**, Garrison, D. W., Anderson, M. A., & Jan, Y-K. *Nonlinear complexity of skin blood flow oscillations in people with spinal cord injury*
14. **Frampton, A.**, Sisson, S. B., & Hull, H. R. *Sedentary behavior during pregnancy in relation to maternal and infant outcomes*
15. **Kao, A.**, Leyva, M., Aston, C. E., & Hull, H. R. *Dietary quality scores as predictors of gestational weight gain*

**CLINICAL SCHOLARSHIP/CASE PRESENTATIONS**

16. **Dionne, C. P.** & Stover, D. A. *Case study: Ruling out candidacy for physical therapy with mechanical evaluation*
17. **Frazier, J.**, Dionne, C. P., & Ferretti, M. J. *A comprehensive physical therapy treatment approach and proposed clinical prediction rule for positive clinical outcome following coronary arterial bypass procedure (CABG): A case report*
18. **Nguyen, A. T.**, Dionne, C. P., & Ferretti, M. J. *Case report: Acute physical therapy management of a patient with Guillian-Barre´ syndrome*
19. **Ong, J.**, Dionne, C. P., & Ferretti, M. J. *Early physical therapy intervention for an adult with minimally invasive anterior total hip arthroplasty*
20. **Phelps, S. G.**, Dionne, C. P., & Ferretti, M. J. *Physical therapy management of akinesia and freezing gait after cataract surgery*
21. **Smith, C.**, Dionne, C. P., & Ferretti, M. J. *The use of unloaded exercise in conjunction with strengthening exercises to improve function following chondroplasty of the medial femoral condyle with partial medial meniscectomy: A case study*
22. **Thomas, H.**, Dionne, C. P., & Ferretti, M. J. *Sport-specific rehabilitation following anterior cruciate ligament (ACL) reconstruction in an athlete returning to bicycle motocross (BMX): A case study*