School of Health Sciences
Research Colloquium

Friday, April 28, 2017

Bismarck Event Center, Exhibition Hall
Rooms 101, 102, 103, 104 and 105
Bismarck, North Dakota
STUDENT & FACULTY CONVOCATION

Welcome, 8:00 am
Dr. Jodi Roller, Dean, School of Health Sciences

Opening Prayer
William Littlefield, Master of Kinesiology Student

Platform Presentations, 8:30 am – 2:40 pm
Poster Presentations Unopposed, 11:25 am – 11:55 am
Lunch Break, 11:55 am – 1:30 pm

The School of Health Sciences Research Colloquium committee would like to thank the University of Mary Kappa Upsilon chapter of Sigma Theta Tau National Honor Society for helping make this event successful. Kappa Upsilon has sponsored a nutritious break and members have volunteered time to assist with planning and coordination of the event.

Continuing education contact hours will be awarded to occupational therapy and physical therapy participants. Application to the North Dakota Board of Nursing has been submitted for 4.5 nursing contact hours.

Platform Presentations

8:30 AM ROOM 101
Addressing Suboptimal HPV Vaccination Rates through Strong Provider Recommendation
Chelsey Zeltinger, BSN, RN & Angela Joneson, BSN, RN (FNP Students)
and
Development of a Submaximal Incremental Step Protocol to Determine VO2 Max: A Continuation Study
Elizabeth Heintzman, Tyson Kudrna, Michelle McGeary (EXS Students)

ROOM 102
The Effects Of 90% Ankle Brace Usage on Proprioception in Collegiate Female Volleyball Players
Matthew Gallegos, Seriann Birchem (AT Students)
and
Proprioceptive Preventive Program to Improve Balance Error Scoring System Scores
Candy Ankenbauer (KIN Student)
**ROOM 103**
Nurses’ Perceptions Regarding Implementation of Chronic Pain Management Measures Using the New CDC Guidelines
*Stacie L. Garland, BSN, RN (NE Student) and*
The Association between Hip Adduction Range of Motion and Chronic Lower Extremity Injury
*Emma Ulmer, Sean Cometto, MyKayla Benjamin (AT Students)*

**ROOM 104**
Mindfulness and Its Effects upon Undergraduate Students: A Pilot Study
*Rebekah Faul, Catherine King, MiKayla Pfliiger, Rachel Strauss, Elizabeth Vogel (OT Students) and*
Factors in the Development of Ethical Reasoning in Physical Therapy Students
*Ashley Aurich, Jeff Welk (PT Students)*

**9:05 AM**
**ROOM 101**
“Nobody told me,” Discharge Planning for the Mild Traumatic Brain Injury Population
*Darcy J. Subramanian, BSN, RN & Marjorie M. Masten, BSN, RN (FNP Students) and*
Understanding the Process of Role Adjustments in Widowerhood
*Julie Dinius, Kala Frank, Sara Lutz, Stasha Permann, Jacey Wanner, Brooke Winter (OT Students)*

**ROOM 102**
effects of a Community Based Running Program for the Youth
*Samantha Lemke, Samantha Lopez, Beatriz Quesada, Aaron Teigen (PT Students) and*
Anterior Cruciate Ligament Tears and an Associated Family History
*Danielle Williams, Kyle Ver Burg, Maari Beck (AT Students)*

**ROOM 103**
Assessing Concussion Knowledge in Parents of Student Athletes
*Josh Kuntz, Anesu Banda (KIN Students) and*
The Effects of Recruitment of Jaw Musculature on Dynamic Postural Control
*Tony Chung, Rodolfo DeLima, Anthony Mitterling, Naeem Ugharadar, Justin Wotte (PT Students)*

**ROOM 104**
Factors Influencing Occupational Therapy State Association Membership
*Corrine Fournier, Kristen Henderson, Jessalyn Kleinsasser, Sonia Merritt, Kelcy Traeger (OT Students) and*
Nursing Students’ Perspectives of Concept Mapping as a Learning Tool
*Hollie Keller, BSN, RN (NE Student)*
ROOM 101
Evaluation of Obstructive Sleep Apnea Screening Rates following the Development and Implementation of a Screening Protocol
*Marina Rath, BSN, RN & Kristy Weigum, BSN, RN (FNP Students)*
and
Perceived Wellness & Satisfaction of Athletic Training Students among Athletic Training Programs in North Dakota
*William Littlefield (KIN Student)*

ROOM 102
Gender Differences of Body Image Dissatisfaction among Division II Collegiate Athletes
*Kristin Ormsby (KIN Student)*
and
AIMS Screening Tool Utilization in an Urban Behavioral Health Practice: An Evidence Based Practice Project
*Brittany Hearn, BSN, RN (FNP Student)*

ROOM 103
Knowledge of Palliative Care in the Intensive Care Unit
*Virginia Titman, BSN, RN (NE Student)*
and
Examination of Teacher Knowledge, and Classroom Management of Student-Athlete Concussion: Implications for Return-To-Learn Protocols in a Division II University Curriculum
*Kathryn Thurman, Miranda Dupree (AT Students)*

ROOM 104
Exploring Occupational Therapy’s Identity within Palliative Care through the Eyes of Occupational Therapists
*Kayla Berntsen, Lacey Brilz, Katelyn Greenmyer, Mariah Hathaway, Rachel Weir (OT Students)*
and
A Community All Access Dance Class for Children of All Abilities: What Does This Mean for Parents and Children? Present and Future Considerations?
*Mckayla M. Artz, Jennifer A. Cassel, Caitlin B. Miller, Alexis B. Quale (PT Students)*

ROOM 105
Individual Anatomical Characteristics and Performance of the Standard, and Variations of, Partial Curl-up Test
*Ashley Nodland, Haleigh Holzer, Casey Reamann (EXS Students)*
and
The Effects of Core Strengthening on Balance and Gait Speed in the Geriatric Population
*Ali Heintz, Soohan Kim, Jennifer Moen, Juliette Nguyen, Jeff Sedler, Desiree Willman (PT Students)*
10:15 AM ROOM 101
Protocol in Follow-Up with Sexual Assault Victims Across Western-Central North Dakota
Megan Johns, BSN, RN & Tiah Rigby, BSN, RN (FNP Students) and A Comparison Study of InterStim®, Urgent PC® and Botox® Treatments on Overactive Bladder and their Effects on Quality of Life Alison Albers, Rebecca Frickey, Sarah Jacobson, Mandy Peerboom, Krystal Rasmussen, herri Stokes (PT Students)

ROOM 102
A Retrospective Study of the Comparison of Concussion Screening Tools and their Effectiveness Kara Buss, Adrienne Martwick, Jacob Retzer, Wayne Engelhard, Kirstie Strelo (PT Students) and A Correlation Study of Preseason Summer Workout Compliance to Injury Rates in NCAA Division II Collegiate Athletes Involved in Fall Sports Sarah Peabody, Rebekah Horgan (AT Students)

ROOM 103
Effects of a Four Day School Week on Standardized State Testing Clinton Neville (SPEA Student) and You’re Not Going to Learn It All: Graduate Nurses’ Perceptions of Preparedness for Clinical Practice Nicole Hatzenbuhler, MSN, RN (Nurse Educator)

ROOM 104
The Effects of Oculomotor Training on Eye Movements and Reading Scores of Students with Reading Deficits Briana P. Jackson, Mollie R. Koble, Alison R. Sluke, Erin R. Volk, Alexandra M. Winters (OT Students) and Implementation of an Intrathecal Pain Therapy Program within an Oncology Department Jaydee Unruh, BSN, RN & Cyndi Wald, BSN, RN (FNP Students)

10:50 AM ROOM 101
Standardized Perinatal Depression Screening for Optimizing Patient Care Kara Kniert, BSN, RN & Melissa Nehl, BSN, RN (FNP Students) and Even Though It isn’t a Real Person, You Have to Treat It Like It Is: New Graduates’ Perceptions of High-Fidelity Simulation Ashlee Fettig, BSN, RN (NE Student)
ROOM 102
The Effectiveness of Coping Strategies among Family Caregivers of Persons with Dementia
Kelsie Burns, Ben Gailfus, Geena Leschisin, Catherine O’Connell, Sarah Redding (OT Students)
and
Effects of Foam Rolling On Hamstring Range of Motion
Travis Smith, Brendon Ehrlich, Evan Morehead (AT Students)

ROOM 103
Glucose Depletion and Lactic Levels as a Response to the WAnT, Test Until Failure, and Test Retest in Trained vs Untrained Male Individuals
Victoria Brucker, Jordan Steen, Samantha Leingang (EXS Students)
and
Investigating Family Experiences and Sensory Correlations of Picky Eating Behaviors in Children
Tom Bogen, Kali France, Carson Lauf, Lisa Lowery, Amanda Sarrazin, Jake Valcourt (OT Students)

ROOM 104
A Multidimensional Approach to Increasing CPAP Adherence at the University of Colorado Hospital
Jamie Slettedahl, BSN, RN & Andrew Yantes, BSN, RN (FNP Students)
and
Personality as a Correlate of Success in Collegiate Pole Vaulters
Amelia Maher (SPEA Student)

ROOM 105
Implementation of a Colorectal Cancer Screening Program in a Rural Upper Midwest Federally Qualified Health Center: An Evidence Based Project
Kayla M. Abrahamson, BSN, RN & McKenzie R. Peterson, BSN, RN (FNP Students)
and
Effect of Rest Interval on Acute Stretch Shorten Cycle Function during Multiple Jump Plyometric
Dan Lensby (KIN Student)

11:25 AM – 11:55 AM, POSTER PRESENTATIONS Unopposed Occupational Therapy, Speech-Language Pathology Students

11:55 AM – 1:30 PM, LUNCH BREAK

1:30 PM
ROOM 101
A Tobacco Cessation Counseling Program within the Prenatal Population in a Midwestern OBGYN Practice
Andrea Means, BSN, RN (FNP Student)
Quality of Care and the Patient Experience in the University of Mary Pro-Bono Clinic
Vanessa Hoff, Lexi Kudrna, Paige Rygg, Lacey Schulte, Samantha Schwartz (PT Students)

ROOM 102
The Effect of Aquatic Walking on Gait Velocity in a Healthy Elderly Female
Dakota Anderson, Catharine Bradley, Ashley Friedenfels, Nathan Gilmor, Griffon Jones, Magdalen Morris (PT Students)

and

Comparing Hamstring Stretching Methods: A Group Comparison Using the Theraband™ Flexbar®
Alyssa Bruer, Samantha Anderson (AT Students)

ROOM 103
Developing a Screening Protocol to Help Prevent Type II Diabetes at Puyallup School District for Children Ages 12-19
Leena K. Leon, BSN, RN (FNP Student)

and

Perceptions of Test Anxiety among Nursing Students Taught to Perform Diaphragmatic Breathing
Emily M. Pankow Wieber, BSN, RN (NE Student)

ROOM 104
The Impact of International Service Learning on Cultural Intelligence
Amy Freeberg, Ashli Hatfield, Allison Oestreich, Megan Petersen, Maria Veit, Kristen Wangler (OT Students)

and

Active Muscle Mass and Maximal Oxygen Consumption in Treadmill vs Elliptical Exercise
Greg Aders, Logan Fisher, Alexa Hubbard, Isaiah Korver, Austin Lemieux, Seth Meide (EXS Students)

ROOM 105
Implementation of Electronic Database to Improve Perceived Knowledge of Early Intervention Services in Ramsey County, North Dakota
Carlee Thomson, BSN, RN & Jennifer Vandal, BSN, RN (FNP Students)

and

High School Athletic Directors’ Satisfaction with Athletic Training Services
Cassie Beseman (KIN Student)
2:05 PM

ROOM 101
Cultural Competency Education to Improve Primary Care Providers’ Identification and Treatment of Depression in African Immigrants
Daniel O. Adewunmi, BSN, RN (FNP Student)
and
Music Therapy in CCNE Accredited Nursing Programs: A Descriptive Survey Study
Tanya Russiff, BSN, RN (NE Student)

ROOM 102
Minimalist Shoes: A Literature Review
Anthony Sarne (AT Student)
and
The Effect of Two Different Forms of “Plank” Exercise on EKG, Lactate, Heart Rate, and Blood Pressure in Adult Women
Katelynn Engh, Jordan Sweep, Shawn Fulwider (EXS Students)

ROOM 103
Palliative Care in Rural North Dakota
Laura Hoovestol, BSN, RN (FNP Student)
and
Adductor Canal Block versus Adductor Canal Block with Local Anesthetic Exparel following Total Knee Arthroplasty: Effects on Length of Stay and Function
Tial Donovan, Mark Bau, Jordan Kosminskas (PT Students)

ROOM 104
Effects of Social Participation on Quality of Life in an Assisted Living Facility
Abby Coleman, Emili Crowder, Kylie Gagnon, Clara Minder, Kaitlin Strever, Chelsey Yantzer (OT Students)
and

ROOM 105
Does Specialization in Hockey Enable You to Make It To The Next Level In Hockey?
Robert McIvor, Sheldon Greywater, Travis Mertens (SPEA Students)
and
Surgical Intervention and Subsequent Rehabilitation of a Full Thickness Pectoralis Major Tear: A Case Study
Tucker Benjamin (AT Student)