

## RT @ OSU Research

Research has long been part of the curriculum to become an advanced respiratory therapist at OSU and participating in the Denman Undergraduate Research Forum is expected. All undergraduate students learn fundamentals in statistics, research methods, critical analysis, and presentation through their courses and "Senior Projects." Students participating in the AMP Honors research program work independently with a faculty advisor while most students form research teams with faculty and work on projects collaboratively. Although most RT graduate students follow the allied health management and education tracks, they often do their research in RT.



Richard J. & Martha D. Denman Undergraduate Research Forum

### Research Links & Resources

- [Respiratory Care Journal](#)
- [AARC Open Forum Abstracts](#)
- [AARC Times](#)
- [AARC Education Annual](#)
- [Advance for Respiratory Care](#)
- [RT - The Journal for RCPs](#)
- [Focus on Respiratory Care](#)

### Library Resources for RT Students

- [Respiratory Care Research Handbook](#)
- [Survey Sample Size](#)
- [Sample Size & Power](#)
- [Randomize](#)
- [Standard Instruments](#)
- [Errors in Hypothesis Testing](#)

### Human Subject Regulations Decision Charts

- [Responsible Research Practices - Forms](#)
- [Research Proposal Guidelines](#)
- [Respiratory Care Manuscript Guidelines](#)



100% Participation!

RT Poster Templates:   [Red](#)   [Grey](#)   [Gold](#)

### Denman 2008 100% Participation - Knapp, Rasoul, Wolfinger 1st Place

"The Expanding Scope of Practice and Competency Assurance of Respiratory Therapists in Ohio Hospitals" Christopher Knapp, Inez Rasoul, Christina Wolfinger - F. Herbert Douce, advisor

"The Extent of Rehabilitation Modification to Accommodate patients with Restrictive Lung Disease." Brittannie Hall, Carrie Netcher and Kim Garfield. Phillip D. Hoberty, EdD, advisor

"Effectiveness of inhaled nitric oxide at a clinical dosage to prevent nosocomial pneumonia in mechanically ventilated neonates" Elizabeth Atkinson, Allyson Becker, Angel Fok. Sarah L. Varekojis, PhD, advisor

"Cost Effectiveness of High Frequency Chest Wall Compressions in Neuromuscular Patients With Difficulty Mobilizing Secretions" Carla Drennen, Jamie Gallagher, Brittany Hayes. Sarah L. Varekojis, PhD, advisor

"An Evaluation of Respiratory Therapy Preceptor Training through an online Preceptor Training Module" Lauren Klocek, Mary Mast, Amanda Miller. Georgianna Sergakis, PhD, advisor

"Tobacco Use and Dependence: The Role of the Respiratory Therapist" Rachel Brown, NineEva Prentiss, Crystal West. Georgianna Sergakis, PhD, advisor



See [Denman2008](#) for pictures, titles.

### **RT @ Denman 2007**

"The Effects of Transporting Arterialized Blood Samples in a Pneumatic Tube System on Blood Gas Values" Branden W. Luna, Andrew Weirauch, Rebecca Oppermann

"The Outcomes of Asthma Education" Ismail Azzam, Sarah O'Connell, Jenny Secrist

"Prevalence of Asthma as it Persists in a Population" Adam Buxton, David Yang

"Respiratory Therapists' Knowledge of the 2005 AHA Cardiopulmonary Resuscitation Guidelines for BLS" Jennifer Kaufhold, Tiffany Moore

"A Comparison of Two Compression to Ventilation Ratios on Rescuer Performance in BLS" Nicholas Mallas, Rebecca Rosenstein

"High Frequency Chest Wall Oscillation in a Non-Cystic Fibrosis Population" J. Ryan Hughes, Lindsey Kauh, Lauren Sander

"Infection Control of Wright Respirometers" Pamela Kuhlman, Riko Ohori, JoLynn Phillippi

"Respiratory Care Journal's Authorship Change in the Past 18 Years" Jennifer Kaufhold

"Evaluating RTs & RNs on Their Beliefs, Practices, and Confidence Regarding Smoking Cessation Counseling in Parents of Patients" Lindsay Cooper, Holly Schoenlein

### **Ardito Wins 1st at 2005 Denman**

For her research project "Smoking Cessation Protocols in Ohio Hospitals," Marjorie Ardito won 1st place in the Health Science -Clinical division at the 10th annual Denman Undergraduate Research Forum on May 18, 2005. Marjorie is an NCAA Academic All-American and Allied Medicine Honors student; her project advisors were Dr. Sarah Varekojis and Georgianna Sergakis.

### **Nine 2005 RT Seniors**

#### **Present Posters**

Melissa Bishop, Matthew Kovar: "Management Strategies Focusing on Staff Retention in Ohio's Respiratory Therapy Departments"

Anne Carvi, Holly Schmidt: "The Role of the Respiratory Therapist in Providing Smoking Cessation"

### **RT @ 2006 Denman**

Stephanie Brindza, Brittany Locklear, Kayla Williams: "Level of Health Literacy and Smoking Behaviors in Pre-Allied Med Students." Sarah Varekojis, PhD advisor.

Kristina Davis, Jolynne Kohli: "Baccalaureate Degrees in Respiratory Therapy: Advanced Clinical Skills, Clinical Experience, and Curriculum." F. Herbert Douce advisor

Melissa Figueroa, Erin Hensley, Gavin Wong: "The Relationship Between The Use Of Clinical Patient Care Protocols And Department Characteristics On Job Satisfaction And Employment Longevity Of Respiratory Therapists." F. Herbert Douce, advisor

Nikki Johnson, Heather Zuber: "The Role of the Respiratory Therapist in Providing Smoking Cessation Education." Georgianna Sergakis, advisor

Sarah McNee, Christine Snider, Katrina Strayer: "The Use of Airway Clearance Techniques in Ohio Hospitals." Sarah Varekojis PhD advisor

### **Ayotte Wins 2nd at 2004 Denman**

Respiratory therapy senior Christina Ayotte won 2nd place in the Health Sciences division at the 2004 OSU Denman Undergraduate Research Forum. Her project was titled: "The Current Use of Non-Invasive Ventilation with Cystic Fibrosis Patients: A National Study" Her advisor was Dr. Sarah Varekojis

Jeff Hunter, Rory Mullin: "Effects of Syringe Material, Sample Storage Time and Temperature on Blood Gases and Oxygen Saturation in Arterial Blood Samples"

Letitia Wiltshire, Sharma Hodge: "Health Literacy and Prenatal Education: A Review of Nursing and Respiratory Therapy Practices"

### ***RT with distinction Honor Roll***

These RTs successfully completed an undergraduate thesis and the Allied Medical Honors Program. They graduated with a Bachelor of Science degree in Allied Medical Professions *with distinction*.

1980: Gary Ansel  
1980: Deryl Gulliford  
1981: Colleen Bridges Lewis  
1985: Michael Bumbulis  
1995: Stephanie Morgan Green  
1997: Kelly Becker  
1997: Melanie Leininger  
1998: Eric Hirt  
1998: Megan Hoenberger Nussbaum  
2000: Whitney Hastwell  
2003: Lori Brucato Alexander  
2003: Mia Fousek  
2003: Mary Wigger  
2004: Christina Ayotte  
2004: Natalie Burkiewicz  
2004: Meghna Patel  
2005: Marjorie Ardito