

# Harshavardhan Deoghare

## Curriculum Vitae

### Office:

Physical Therapy Department  
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### EDUCATION:

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|---------------|---|
| 2004- present | Doctoral student, Rehabilitation Science Doctoral Program<br>College of Public Health and Health Professions<br>University of Florida, Gainesville, FL 32610. |
| 1997 - 2002   | B.Ph.T, College Of Physiotherapy, University of Pune, India.  |

### EMPLOYMENT HISTORY:

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| 2002-2004: | Staff Physiotherapist, “ <b>Deendayal Memorial Hospital &amp; National Heart Institute</b> ” Shivajinagar, Pune, India.<br>Experience in <ul style="list-style-type: none"><li>• Acute In Hospital Care (MICU, ICCU, SICU)</li><li>• Cardiac Rehabilitation Post MI &amp; CABG.</li><li>• Orthopedic Rehabilitation.</li></ul> |
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### RESEARCH EXPERIENCE

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| August 2004 to present | <b>Research Assistant (Alumni Fellowship),</b><br>Department of Physical Therapy,<br>College of Health Professions,<br>University Of Florida, Gainesville. |
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## SCHOLARSHIPS AND MERIT AWARDS:

1. August 2004 to Present

Alumni Fellowship  
University of Florida, Gainesville .USA.

2. August 1996 to August 2000

National Talent Search Scholarship  
Conducted by the National Council of  
Education Research and Training, India.  
[www.ncert.nic.in](http://www.ncert.nic.in)

## LICENSURE:

Licensed to practice in India.

## ORGANISATIONS:

Life Member, Indian Association of Physiotherapists.  
Life Member, Indian Menopausal Society.

## PROJECTS/GRANTS WORKING ON:

### CURRENT

**NIH R01 HD042705:** “Respiratory muscle training in ventilator dependant patients”

**PI:** Martin, A. Daniel

**Role in Project:** Research Assistant

**Period of Support:** 12/15/03 - 11/30/08

### Specific Aims:

The primary goal of this project is to investigate whether a program of inspiratory muscle training coupled with progressively lengthening spontaneous breathing trials will increase the number of ventilator dependent patients that can be liberated from mechanical ventilation support and reduce the time needed to wean patients compared to a usual care/Sham treatment group. A secondary goal is to measure breathing pattern variables during spontaneous breathing trials to determine if changes in breathing pattern can indicate which subjects benefit the most from the muscle training program.

## PUBLICATIONS

### Manuscripts in preparation:

1. Deoghare H, Martin AD. “Heart Rate variability Power spectral Density Analysis In Successful and Failed Spontaneous Breathing Trials in Ventilator Dependant Patients.”

2. Huang Tseng, Deoghare HV, Martin AD “ Analysis Of Breathing Pattern In Successful and Failed Spontaneous Breathing Trials in Ventilator Dependant Patients.”

## **PUBLISHED ABSTRACTS AND PROCEEDINGS**

1. Deoghare H, Martin AD. “Heart Rate variability A Tool To Measure Physiological Stress In Spontaneous Breathing Trials in Ventilator Dependant Patients.” Neuroplasticity Symposium, University of Florida, September 22nd, 2005.
2. Deoghare H, Martin AD. “Heart Rate variability Power spectral Density Analysis In Successful and Failed Spontaneous Breathing Trials in Ventilator Dependant Patients.” Annual Research Day, College of Public Health and Health Professions, University of Florida, Florida. April 16th, 2004.

## **ATTENDED WORKSHOPS/CONFERENCES**

- 2006 International Conference, American Thoracic Society, San Diego, California, USA.  
May 19-24,2006. (Registered)
- 2005 Neuroplasticity Symposium Neuromuscular Plasticity Training Program, University of Florida.  
September 22nd, 2005.
- 2004 Annual Research Day  
College of Public Health and Health Professions, University of Florida, Florida.  
April 16th, 2004.