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## **Dr. Daniel Roshan, MD, QME** *Board Certified in Pain Medicine and Anesthesiology*

Articulate, Board certified Anesthesiology and Pain Medicine with more than 10 years of clinical expertise and 1 year of medical-legal expertise. Highly specialized in Pain Medicine and Anesthesiology.

## **EDUCATION**

- University of California, Irving, CA (2007) Bachelor of Science, Biological Sciences
- Case Western Reserve School of Medicine, Cleveland, OH (2013) Doctor of Medicine, MD
- University of Illinois at Chicago, Chicago, IL (2017) Residency, Anesthesiology
- Cedars Sinai, Los Angeles, CA (2018) Fellowship, Pain Medicine

### **PROFESSIONAL EXPERIENCE**

• Pacific Pain Physicians, Pain Management/Anesthesiologist (2018 to present)

### LICENSURE AND CERTIFICATION

- ABA Anesthesiology Board Certification
- ABA Pain Medicine Board Certification
- California Board Certified Medical License
- Drug Enforcement Administration (DEA)
- CITI Training
- California Fluoroscopy Operator and Supervisor License

### **PROFESSIONAL MEMBERSHIPS**

- American Society of Anesthesiologists
- Anesthesia Society of Regional Anesthesiology
- North American Neuromodulation Society
- Pacific Spine and Pain Society

## **RESEARCH & PUBLICATIONS**

#### <u>Research</u>

Space Cycle: a human powered centrifuge that can be used for hypergravity resistance training.Mentor: Dr. Vincent Caiozzo, Ph.D.9/2005 - 5/2007

University of California, Irvine Orthopedics department; Irvine, CA.

 Assessed utility of human powered centrifuge to counter the deleterious effects of microgravity on astronaut body systems. Collected and analyzed data on foot force and EMG and compared these results to the same subjects performing similar exercises with free weights such as weighted squats.

## Rise in Hydrogen Production During Lactulose Breath Test Does Not Represent Oro-Cecal TransitDue to Lag in Peak Fermentation.5/2011- 5/2012

Mentors: Dr. Pimentel, Dr. Chiang. Cedars Sinai Hospital; Los Angeles, CA.

## Utilization of immersive video (360 video) and Google Cardboard in medical simulation: a novel and multi-dimensional way of learning. 11/2015 – 7/2017

Mentors: Dr. Knorp, Dr. Guha.

University of Illinois at Chicago Department of Anesthesiology

• Designing instructional videos of regional blocks and internal jugular venous structures using a 360 camera. Allows learners to visualize instruction with google cardboard as novel learning method. Abstract submitted to STA conference 2016.

## Evaluation of the benefits and risks of ketamine infusions on Sickle Cell Disease patients admitted for Vasocclusive pain crises. 8/2015-7/2017

Mentors: Dr. Votta-Velis MD, Dr. Gowhari MD, Dr. Beckerly MD. University of Illinois at Chicago Dept of Anesthesia.

# Evaluation of possible protective effects of pioglitazone on rat nucleus pulposus cells in thesetting of hypoxic and low glucose environments.9/2015-5/2017

Mentors: Drs. Malik MD, and Feinstein Ph.D.;

University of Illinois at Chicago Dept of Anesthesia.

• My role as researcher is sacrificing of rats, extracting nucleus pulposus (NP) cells from intervertebral discs, and growing them in a culture medium. We exposed the NP cells to

environmentally harsh conditions to both control and experimental groups and explore potential protective effects of pioglitazone by treating the experimental group with this drug.