#### **Pittsburg State University**

#### Pittsburg State University Digital Commons

**Paper Presentations** 

2018 Research Colloquium

4-1-2018

#### Mobility and Aging: The Benefits of Incorporating Yoga Amongst **Seniors**

Chelsey Davenport Pittsburg State University

Scott Gorman Pittsburg State University

Laura Covert Pittsburg State University

Follow this and additional works at: https://digitalcommons.pittstate.edu/papers\_2018



Part of the Geriatric Nursing Commons, and the Public Health and Community Nursing Commons

#### **Recommended Citation**

Davenport, Chelsey; Gorman, Scott; and Covert, Laura, "Mobility and Aging: The Benefits of Incorporating Yoga Amongst Seniors" (2018). Paper Presentations. 14. https://digitalcommons.pittstate.edu/papers\_2018/14

This Article is brought to you for free and open access by the 2018 Research Colloquium at Pittsburg State University Digital Commons. It has been accepted for inclusion in Paper Presentations by an authorized administrator of Pittsburg State University Digital Commons. For more information, please contact digitalcommons@pittstate.edu.

# MOBILITY AND AGING: THE BENEFITS OF INCORPORATING YOGA AMONGST SENIORS

CHELSEY POWELL-DAVENPORT, GRADUATE TEACHING-ASSISTANT
HHPR DEPARTMENT, PITTSBURG STATE UNIVERSITY-EMPHASIS IN WELLNESS MANGAEMENT
CERTIFIED YOGA INSTRUCTOR

"YOGA IS A SYSTEM OF PERFECT TOOLS FOR ACHIEVING UNION AS WELL AS HEALING."

-- DR. DEAN ORNISH

# WORLD HEALTH ORGANIZATION, 1948

"HEALTH IS A STATE OF COMPLETE PHYSICAL, MENTAL AND SOCIAL WELLBEING, AND NOT MERELY THE ABSENCE OF DISEASE AND INFIRMITY."

-- WHO (IN STROHECKER 2015)

### YOGA: MIND & BODY CONNECTION

1. **PSYCHOLOGICAL** (HANSEN 2011; ROSS & THOMAS 2010)

E.G., DAILY PSYCHOLOGICAL HEALTH, SOCIAL INTERACTION

- 2. POSTURE (BAMIDIS ET AL. 2014)E.G., OSTEOPOROSIS, PROPER SPINAL ALIGNMENT, BODY AWARENESS
- 3. MOBILITY (CREWS 2005)

  E.G., BALANCE, PURPOSEFUL MOVEMENT, FLEXIBILITY



### **MOBILITY**

"I LOOK FORWARD TO COMING TO MY EXERCISE AND YOGA CLASS EACH WEEK, I DON'T LIKE TO MISS SO THAT I CAN KEEP UP WITH FLEXIBILITY."

--68 YEAR OLD YOGA STUDENT

### YOGA: BREATHING & RELAXING MINDFULLY

1. PAIN MANAGEMENT (CHAUHAN, MISHRA, D.K. SEMWAL & R.D. SEMWAL 2016; CHERKIN & HERMAN 2018))

E.G., ARTHRITIS, JOINT PAIN & NECK STIFFNESS AND LOWER BACK PAIN)

2. **DEGENERATIVE DISEASE** (DADA ET AL. 2015)

E.G., SLOWS DEGENERATIVE DISEASES THAT CAN BE ASSOCIATED WITH THE AGING PROCESS DUE TO REDUCED OXIDATIVE STRESS

3. STRESS & SLEEP DEPRIVATION (CREWS 2005; DAWN, M.M. 2008; GARFINKEL ET AL., 1994; WEUVE ET AL., 2004)

E.G., REDUCES ANXIETY & RELAXES BODY TO FACILITATE REST



#### **BREATHING MEDITATION**

"YOGA HAS BEEN A REAL BLESSING TO ME BECAUSE I ALWAYS FEEL SO MUCH BETTER AFTER MY CLASS, I WALK MORE STEADY AND I SLEEP THE BEST AT NIGHT AFTER I USE MY BREATHING MEDITATION BEFORE BED."

-- 89 YEAR OLD YOGA STUDENT



## LET'S BREATHE, TOGETHER...

**MHA**s

BECAUSE THE BODY IS MEANT TO MOVE AND THE LUNGS ARE MEANT TO BREATHE.

**BREATH IS LIFE** 

THANK YOU!



#### **BIBLIOGRAPHY**

- Bamidis, P.D., Antoniou, Billis, A.S., Konstantinidis, E. I., Mouzakidis, C. A., Zilidou, V. I. (2014). Design, implementation and wide pilot deployment of Fit For All: an easy to use exergaming platform improving physical fitness and life quality of senior citizen. *Journal of Biomedical and Health Informatics IEEE*, DOI 10.1109/JBHI.2014.23
- Chauhan, A., Mishra, S. P., Semwal, D. K., Semwal, R. D. (2016) Recent Development in Yoga: A Scientific Perspective. *Journal of AYUSH: Ayurveda, Yoga, Unani, Siddha and Homeopathy,* 5(1). ISSN: 2278-2214(online), ISSN: 2321-6484(print), <a href="https://www.stmjournals.com">www.stmjournals.com</a>
- Cherkin, D.C., Herman, P. M. (2018). Cognitive and Mind-Body Therapies for Chronic Low Back Pain and Neck Pain Effectiveness and Value. *JAMA Intern Med.*, 178(4):556-557. doi:10.1001/jamainternmed.2018.0113
- Crews, L. (2005). Designing a Yoga Program for Active Seniors. *Idea Fitness Journal*, 1-7, (online)
- Dada, R., Kumar, S. B., Tolahunase, M., Yadav, R. K., & Yadav, R. (2015). Telomerase Activity and Cellular Aging Might Be Positively Modified by a Yoga-Based Lifestyle Intervention. *The Journal of alternative and complementary medicine*, 21(6), 370–372. Doi:10.1089/acm.2014.0298

- Dawn, M. M. (2008). An Evaluation of Yoga for the Reduction of fall factors in older adults (Doctoral Dissertation). Retrieved from FSU digital library, <a href="mailto:lib-ir@fsu.edu">lib-ir@fsu.edu</a>
- Garfinkel MS, Schumacher Jr HR, Husain A, Levy M, Reshetar RA.

  Evaluation of a yoga based regimen for treatment of osteoarthritis of the hands. J Rheumatol 1994;21:2341–3.
- Hansen, Elizabeth de (2010) Yoga for Seniors with Arthritis: A Pilot Study. International Journal of Yoga Therapy: 2010, Vol. 20, No. 1, pp. 55-60.
- Ross, A. & Thomas, S. (2010). The Health Benefits of Yoga and Exercise: A Review of Comparison Studies. *The Journal of alternative and complementary medicine*, 16(1), 3–12. Doi:10.1089/acm.2009.0044
- Strohecker, J. (2006). A Brief History of Wellness. Retrieved 2015, from Health World Online
- Weuve, J., Kang, J. H., Manson, J. E., Breteler, M. M. B., Ware, J. H. and Grodstein, F. 2004. Physical activity, including walking, and cognitive function in older women. Journal of the American Medical Association, 292(12): 1454–1461.