

IAMSE WINTER 2019 WEBCAST AUDIO SEMINAR SERIES

The Learning Environment in Health Science Education: A Panel Discussion

LUKE H. MORTENSEN, PHD

Idaho College Of Osteopathic Medicine

KAREN HILLS, MS, PA-C

Physician Assistant Education Association

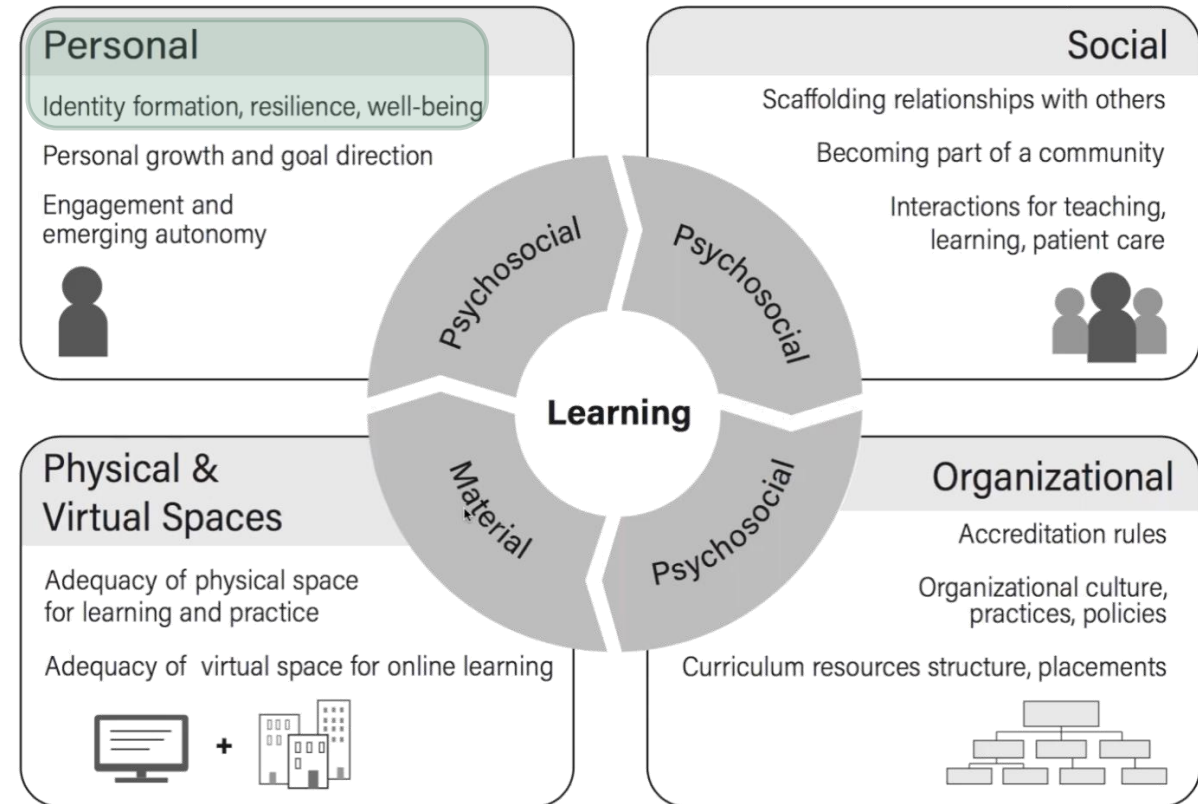
CINDY ANDERSON, PHD, RN, APRN-CNP

The Ohio State University College of Nursing



OSTEOPATHIC MEDICINE AND THE LEARNING ENVIRONMENT

- Common Considerations to other Health Professions/Education Disciplines
- Larry Gruppen, PhD
 - Multidimensional Aspects
- Sean Tackett, MD, MPH
 - International Perspectives
- John Co, MD
 - Clinical Learning Environment in Residency



Gruppen, et. al. Interventions Designed to Improve the Learning Environment in the Health Professions: A Scoping Review. *AMEE MedEdPublish*, 2018.

PERSONAL-
INTERPERSONAL
HUMANISTIC
DOMAIN:
LINKING THE
HEART AND THE
HEAD

Montgomery L, et al. *Linking the Heart and the Head: Humanism and Professionalism in Medical Education and Practice.* *Fam Med* 2017;49(5):378-383.



MENTAL HEALTH AWARENESS TASK FORCE

WWW.AACOM.ORG



STUDENT HEALTH

Osteopathic medical students share burnout prevention strategies

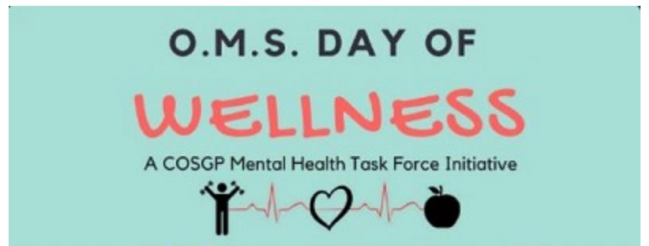
When discussing ways to prevent burnout, medical students emphasized the importance of maintaining a life outside of medicine.

By **ROSE RAYMOND**  **The DO – Amer Osteopath Assoc**
FRIDAY, APRIL 29, 2016



DO Student Initiative Promotes Culture of Wellness

Feb 08, 2017



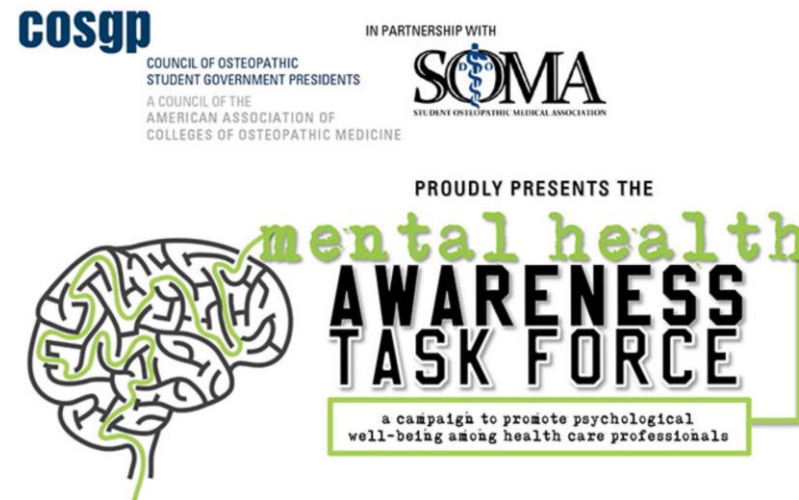
Did you know?

15-30%
of medical students and residents screen positive for depressive symptoms?

54%
of physicians are affected by burnout?

37.9%
of physicians experience emotional exhaustion

29.4%
of medical trainees experience depersonalization



Nearly half of all physicians are burned out and almost 50% of medical students surveyed report experiencing burnout.

THE COUNCIL OF OSTEOPATHIC STUDENT GOVERNMENT PRESIDENTS (COSGP)



**MENTAL HEALTH TASK FORCE:
WHAT YOU DON'T SEE**

▶ | 🔊 0:03 / 2:34





The action and capacity of understanding, being aware of, being sensitive to, and vicariously experiencing the feelings, thoughts, and experience of another – without having the feelings, thoughts, and experience fully communicated in an objectively explicit manner



“May I never see in the patient anything but a fellow creature in pain. May I never consider him merely a vessel of the disease...”

–Maimonides, 1135-1204



Empathy is an important behavioral element of professionalism in health care and is the backbone of a positive patient encounter and any interprofessional relationship demonstrative of altruism and caring.

WHAT IS EMPATHY?

LARGE SCALE EMPATHY STUDIES IN CONSIDERATION

- **University of Toronto, Toronto, Canada**
 - Jeffrey Cheung, Kulamakan Kulasegaram, Leslie Nickell
 - Comparing longitudinal changes in medical student empathy, patient-centeredness, and tolerance of ambiguity
 - 316 medical students from the University of Toronto; one cohort
- **Universidade Nove de Julho, São Paulo, Brazil**
 - Graziela Moreto (UNINOVE), Pablo González Blasco (SOBRAMFA), Janette Samaan (AAMC)
 - Assessing Empathy among Medical Students: A Comparative Analysis using two different scales in a Brazilian Medical School (6-yr program)
 - 296 medical students from the UNINOVE medical school
- **University of Minho, Braga, Portugal**
 - Manuel João Costa, Patrício Costa
 - Gender and personality effect on empathy growth
 - 112 students (87 female; 25 male)
- **Eight Chilean Medical Schools, Santiago, Chile**
 - Isabel Leiva, Denisse Zúñiga, Oslando Padilla, Marcela Bitran
 - Empathy and learning styles amongst Chilean medical students
 - 8 Chilean Medical Schools, spring of 2015 (70% response rate)
 - 818 third and fourth-year students (465 men; 363 women)

THE PROJECT IN OSTEOPATHIC MEDICINE AND EMPATHY

Joint study

- AACOM
- AOA
- Cleveland Clinic
- Sidney Kimmel Med Coll at Thomas Jefferson Univ (Jefferson Scale of Empathy)

Exploring

- factors associated with empathy among students
- changes in empathy as students progress through medical school
- comparisons with published findings in allopathic medical students

Study will provide an empathy “data bank” for participating medical schools and on-going research



Empathy scores of osteopathic medical students remain relatively stable during undergraduate medical education.



Kimmelman, et al. Newton and Vaskalis



POMEE, Calabrese et al

OSTEOPATHIC MEDICAL STUDENTS: EMPATHY

PROJECT IN OSTEOPATHIC MEDICAL EDUCATION & EMPATHY

Application of the JSE in a nationwide sample of first-year matriculants at U.S. colleges of osteopathic medicine

- Measures 3 factors:
 - Perspective taking
 - Compassionate care
 - Standing in patient's shoes
- JSE survey administered, beginning of 2017-2018 AY
 - a scale to detect "good impression" responses
 - demographic/background information
- Results
 - 6009 students, enrolled in 41 campuses (MRR = 92%)
 - JSE mean score = 116.54 ± 10.85 , respectively.
 - Significant gender differences were observed
 - National norm table developed to assess students' JSE scores against national data.

Adv Health Sci Educ Theory Pract. 2018 Dec;23(5):899-920

RESOURCES

- The Project in Osteopathic Medical Education and Empathy
 - <https://www.aacom.org/reports-programs-initiatives/initiatives/empathy-project>
- Calabrese LH, Bianco JA, Mann D, Massello D, Hojat M. Correlates and changes in empathy and attitudes toward interprofessional collaboration in osteopathic medical students. *J Am Osteopath Assoc.* 2013;113(12):898-907. doi: 10.7556/jaoa.2013.068
- Kimmelman M, Giacobbe J, Faden J, Kumar G, Pinckney CC, Steer R. Empathy in osteopathic medical students: a cross-sectional analysis. *J Am Osteopath Assoc.* 2012;112(6):347-355.
- Newton BW, Vaskalis ZT. Cognitive and affective empathy of M1-3 osteopathic medical students [abstract]. *Med Sci Educator.* 2016;26(suppl 1):17. doi: 10.1007/s40670-016-0347-3
- Newton BW. Insights on the Nationwide Project in Osteopathic Medical Education and Empathy (POMEE). *J Am Osteopath Assoc.* 2018;118(6): e28-e32. doi:10.7556/jaoa.2018.076
- Hojat M. *Empathy in Health Professions Education and Patient Care.* New York, NY: Springer International; 2016. doi: 10.1007/978-3-319-27625-0
- Hojat M, DeSantis J, Shannon SC, Mortensen LH, Speicher MR, Bragan L, LaNoue M, Calabrese LH. The Jefferson Scale of Empathy: a nationwide study of measurement properties, underlying components, latent variable structure, and national norms in medical students. *Adv Health Sci Educ Theory Pract.* 2018 Dec;23(5):899-920. doi:10.1007/s10459-018-9839-9