

DYUUVILLE UNIVERSITY

PROGRAM LEARNING OUTCOMES

Program Learning Outcomes help students achieve competencies to serve the diverse community of Buffalo and Western New York.

- Integration of the mind-body-spirit concept
- Focus on primary care
- Integration of social/community medicine into our curriculum
- Relevant clinical rotations in various settings
- Frequent assessment and improvement

The following Learning Outcomes will be expected and assessed in order to train a well-rounded physician capable of independently and as a team, work for the benefit of the patient and community. The curricular strategies of Foundations of Medicine, Clinical Aspects, Osteopathic Manipulative Medicine and Basic Science Labs, Clinical Skills Labs and Simulation, Caring and Patient Centered Professional/Social Medicine Aspects, Learning Consolidation opportunities, Clinical Rotations in various specialties and Research/scholarly activities will contribute to excellence in Osteopathic Medical Education.

1. OSTEOPATHIC PRINCIPLES AND PRACTICE

Approach the patient in a holistic manner, with mind-body-spirit integration. Understand the philosophy of osteopathic medicine and the relationship between structure and function in health and disease. Correlate knowledge and training in Foundational/ Biomedical Sciences and Clinical Medicine to deliver evidence-based management and treatment.

Develop a comprehensive process to obtain history and physical examination, differential diagnosis, management plan including investigations and imaging, and treatment and procedures, using Osteopathic principles. Gain expertise in Osteopathic Manipulative Medicine and utilize specific techniques individually and as part of a treatment plan to alleviate pain and complaints. Record and document the plan of management. Use research and professional development to be current and contemporary with osteopathic knowledge and techniques. Self-evaluate and use feedback from patients and peers to continuously improve the practice of osteopathic medicine. Strongly believe in the contribution of osteopathic medicine to patient care, master the art and science of osteopathic principles and practice and manipulative techniques, and discuss and answer questions from patients and Interprofessional colleagues.

2. MEDICAL KNOWLEDGE

Students will build a strong fund of medical knowledge and apply the knowledge and skills acquired in the first two years of medical school to patient care during clinical rotations and future practice as physicians. Foundations of Medicine/Biomedical Sciences will be inculcated in the formative years which will help each student develop into competent clinicians ready for life-long and independent learning. Utilize research methodology, biostatistics, and epidemiology to better understand health and disease in the community. Gain expertise in Behavioral Health and Social/Community Medicine to provide more comprehensive and holistic patient care. Be current

and advance knowledge of osteopathic principles and practice and osteopathic manipulative medicine.

Combine medical knowledge with professionalism, empathy, practice-based learning, systems-based practice, interpersonal and interprofessional communication to become a leader in this noble profession. Disseminate medical knowledge and skills to mentees and physicians-in-training to build a stronger profession. Continuously update and advance medical knowledge in the Foundational Sciences and clinical osteopathic medicine to better serve patients and society.

3. PATIENT CARE

Learn and apply medical knowledge and skills to effective and efficient patient care. Gain expertise in comprehensive and focused history-taking according to the setting, followed by a thorough physical examination. Record the data obtained accurately and maintain privacy of sensitive information. Generate a differential diagnosis which is evidence-based and relevant. Order only diagnostic tests and imaging that are necessary. Develop a management plan and involve the patient and their family in decision-making. Follow up as necessary and encourage patient questions and involvement. Perform invasive procedures and surgery judiciously. Apply osteopathic manipulative medicine and Osteopathic principles to enhance patient management.

Utilize evidence-based medicine, research, new and proven knowledge to update and improve patient care. Work with other healthcare professionals and be aware of alternative and indigenous medical practices to deliver the best care to patients and the community. Integrate health promotion and prevention strategies in care delivered.

4. PROFESSIONALISM

Learn skills of professionalism to uphold the nobility of and as a representative of the osteopathic profession. Treat patients with utmost respect regarding their beliefs, culture and expectations. Practice values of honesty, integrity, trustworthiness and be accountable for your professional and personal behavior. Adopt a serious attitude and avoid being too casual, always respecting patient-physician confidentiality and boundaries. Extend the same courtesy and consideration to all patient groups irrespective of background and socioeconomic status. Learn how to handle difficult patients and scenarios empathetically but firmly. Always follow the principles of ethics in decision-making and develop traits of altruism and benevolence.

Treat your peers and colleagues with the same respect and attitude that you would expect of them. Show professionalism and leadership when working as a team, appreciating the contribution of each member. When working with other healthcare professionals, work collaboratively and with the utmost professionalism to ultimately benefit the patient.

5. INTERPERSONAL AND COMMUNICATION SKILLS

Master the art of communication with patients, peers and community partners. With patients, obtain a detailed but focused history with sensitivity to their values, beliefs and culture; listen carefully; communicate the steps of physical examination; involve patients in decision-making about invasive diagnostic and therapeutic procedures and the management plan; ensure that patients are clear about the treatment plan and options. Acknowledge the uniqueness of each patient and utilize communication skills accordingly.

Become proficient in collaborating with a team of healthcare professionals in various settings. Achieve mastery of osteopathic medicine and demonstrate expertise when working in a team with other Health Professionals. Be prepared to take on the responsibility of being a leader of an interprofessional team. Communicate effectively with all members with mutual respect and self-confidence. Minimize the effects of bias and personal beliefs in interactions and communication with patients, peers, staff, community partners and interprofessional colleagues.

6. PRACTICE-BASED LEARNING AND IMPROVEMENT

Apply foundational knowledge and clinical skills in managing and treating patients and make an effort to self-assess and continuously improve. Medical knowledge is ever-evolving; practice evidence-based medicine while learning and applying new information and skills. Accept feedback and constructive criticism from patients, colleagues and mentors to enhance clinical acumen and judgement.

Utilize research to make informed decisions and improve professional judgement. Integrate research and research methodology in clinical practice. Be familiar with biostatistics and epidemiology and assess the validity of data and its sources. Be open to assessing and accepting new methodology, superseding outdated and inaccurate practices. Use your medical and scientific expertise to benefit patients and the community.

7. SYSTEMS-BASED PRACTICE

Acquire knowledge and competency regarding the practice of medicine in line with systemic guidelines and regulations. Be cognizant of local, national, and global policies to manage individual patients as well as a larger community. Apply cultural competency, epidemiology and awareness of global health issues to improve clinical practice in a unified world. Update and improve knowledge, skills, and approaches.

Demonstrate an understanding of how health delivery systems and professional practices affect other health professionals, academics, healthcare organizations and the business of healthcare and be prepared to contribute to the profession and be a leader. Ensure patient safety and the best possible outcomes.

8. CULTURAL COMPETENCY

Achieve cultural competency while serving the diverse population in Western New York and elsewhere. Be prepared for varied presentations, attitudes, cultural beliefs and acceptance/rejection of treatment plans by different groups of people. Be sensitive to differences in age, gender, race, ethnicity, sexual orientation and preference, and disability. Obtain and record a cultural history and profile appropriately. Use evidence-based medicine and research to manage medical conditions and illnesses in different races to achieve the best outcomes.

Minimize bias and stereotyping in patients of diverse groups. Familiarize with and understand alternative medical practices and traditional methods. Practice effective methods of communication; enlist the help of interpreters where necessary. Be aware of global and national implication of pandemics and infectious disease that effect patient management.

9. HEALTH PROMOTION/DISEASE PREVENTION

Gain expertise in various methodologies in osteopathic medicine and public health to improve health among your patients and community and prevent disease. Encourage health promotion using a holistic approach. Encourage smoking cessation, regular exercise, and lifestyle modifications to maintain good health. Utilize best practices in Behavioral Health and Social/Community Medicine to build a stronger and healthier community. Encourage utilization of Nutrition and Dietetics and a healthy lifestyle. Provide counseling for alcoholism, drug use and addiction rehabilitation. Attend to improving women's and child health.

Be aware of global and national health policies and integrate these into patient advising. Continuously improve your knowledge in Foundational Sciences and Public Health to be a strong advocate for your patients and a healthy community. Work with health organizations and systems to disseminate knowledge about health and healthy practices in the community.

10. SOCIAL/COMMUNITY INVOLVEMENT

Being part of a university located in a diverse city, achieve competency in caring for diverse, underprivileged, and new immigrant populations. Follow and uphold the mission of the university, which is 'Service for all'. Pay special attention during observerships and rotations in community health centers and other clinics/hospitals serving an underserved patient population. Be aware of discrepancies and disparities in healthcare and living parameters and maximize application of knowledge and training to best benefit the patient and overcome barriers. Participate in community work whenever possible to understand social/community dynamics and learn how to be a leader in the community.

Appreciate and utilize opportunities to serve a diverse population of Western New York and continue these values as a practicing physician. Uphold osteopathic goals of primary care in the community. Be prepared to act during public health crises. Gain knowledge and expertise in social aspects of medicine like racial disparities, homelessness, underserved women's and child healthcare, and addiction medicine to name a few.