



Demonstrating Integration of Core Competencies OPP 5-6 into EPA 6 Through Longitudinal Approaches to Assessment

Christopher M. Alfred, DO, Elizabeth McClain, PhD, Richard Sloan, DO, Eva Shay, DO
William Carey University College of Osteopathic Medicine



Background/Purpose

William Carey University College of Osteopathic Medicine (WCUCOM) is exploring the integration of Entrustable Professional Activities (EPAs) in its Osteopathic Principles and Practices (OP&P) courses.

EPA6 (“Provide an oral presentation of a clinical encounter”), AACOM OMS Core Competency OPP5 (“Perform or recommend osteopathic manipulative medicine (OMM) as part of a treatment plan”) and AACOM OMS Core Competency OPP6 (“Communicate and document treatment details”) are used in a longitudinal manner during OP&P CSAs through the preclinical years.

Objectives

- This educational project has the following objectives:
- 1) To map the process CBME integration in the WCUCOM preclinical OP&P courses.
 - 2) To identify the use of milestones through a longitudinal process of the OP&P preclinical curricula that are the foundation to measure development of EPA6, OPP5 and OPP6.

Process

The authors perform a longitudinal survey of the OP&P preclinical curricula, describe how CBME is utilized and argue the benefits of the current CSA design, such as providing a means to simulate communication with another member of the healthcare team or with the patient being treated osteopathically.

References Available on request

2016-2017 Clinical Skills Assessments

CSA	SPECIAL TESTS/ EXAMS	SOFT TISSUE TECHNIQUE (ST)	ARTICULATORY TREATMENT SYSTEM (ART)	COUNTERSTRAIN (CS)	MYOFASCIAL RELEASE (MFR)	MUSCLE ENERGY (ME)	HIGH-VELOCITY, LOW-AMPLITUDE (HVLA)	STILL TECHNIQUE	CBL (CASE-BASED LEARNING)	OTHER TECHNIQUES
CSA01: OMS1 CSA1 (Fall Semester)	2016 (Postural Examination: Anterior/Lateral/Posterior)	2016 (Cervical/Thoracic/Lumbar)	2016 (Cervical/Thoracic/Lumbar)							
CSA02: OMS1 CSA2 (Fall Semester)	2016 (Upper Extremity Special/Orthopedic Tests)			2016 (Anterior Lumbar/Posterior Lumbar/Ribs Anterior Thoracic/Posterior Thoracic)	2016 (Thoracic/Lumbosacral)					
CSA03: OMS1 CSA3 (Fall Semester)	2016 (Lower Extremity Special/Orthopedic Tests)		2016 (CS or Spacer Technique (ART only))	2016 (EWHL/Shoulder/Pelvis)						
CSA04: OMS1 CSA4 (Spring Semester)				2017 (Either UE/LE ME or Counterstrain: Anterior Cervical/Posterior Cervical)	2017 (Cervical/UE/LE)	2017 (Thoracic/Lumbar ME with either UE/LE ME or Counterstrain: Anterior Cervical/Posterior Cervical)				
CSA05: OMS1 CSA5 (Spring Semester)						2017 (Bioacral)	2017 (Thoracic/Lumbar HVLA with UE/LE HVLA)			
CSA06: OMS1 CSA6 (Spring Semester)						2017 (TBD: Sacroiliac and Cervical/Rib)	2017 (TBD: Cervical HVLA)			
CSA07: OMS2 CSA1 (Fall Semester)	2016 (RCE-ZCCP or CS)	2016 (Cervical/Thoracic ST/ MFR with RCE-ZCCP only)		2016 (RCE-ZCCP or CS: Anterior Cervical/Posterior Cervical/Anterior Thoracic/Posterior Thoracic)	2016 (Cervical/Thoracic ST/ MFR with RCE-ZCCP only)	2016 (Cervical/Thoracic ME/HVLA with RCE-ZCCP)	2016 (Cervical/Thoracic ME/HVLA with RCE-ZCCP)	2016 (Cervical RT)		2016 (Lymphatic Technique: Extremity/ Pump/Disphragm)
CSA08: OMS2 CSA2 (Fall Semester)		2016 (Student is encouraged but not required to prepare tissues with ST/MPR prior to performing HVLA/ME)		2016 (Rib Proficiency: CS/ HVLA/ME)	2016 (Student is encouraged but not required to prepare tissues with ST/MPR prior to performing HVLA/ME)	2016 (Rib Proficiency: CS/ HVLA/ME)	2016 (Rib Proficiency: CS/ HVLA/ME)	2016 (Thoracic/Ribs)		2016 (Cardiovascular/ Peritoneology)
CSA09: OMS2 CSA3 (Fall Semester)		2016 (Student is encouraged but not required to prepare tissues with ST/MPR prior to performing HVLA/ME)	2016 (Proficiency: both Lumbar: CS/HVLA/ME/ART and Pelvis: CS/ME)	2016 (Proficiency: both Lumbar: CS/HVLA/ME/ART and Pelvis: CS/ME)	2016 (Student is encouraged but not required to prepare tissues with ST/MPR prior to performing HVLA/ME)	2016 (Proficiency: both Lumbar: CS/HVLA/ME/ART and Pelvis: CS/ME)	2016 (Proficiency: both Lumbar: CS/HVLA/ME/ART and Pelvis: CS/ME)	2016 (Lumbar/Sacrum/ Pelvis)		
CSA10: OMS2 CSA4 (Spring Semester)	2017 (OCMM, 3 Parts: "Anterior" Cervical and Visc or both CVA & FIP L/R) AND (RIB) Percussive/Manip. Drainage/Art. Ca. Anches)				2017 (Cranial CS)					2017 (OCMM)
CSA11: OMS2 CSA5 (Spring Semester)	2017 (Focused (LE) Neurologic Exam in 2 mins)		2017 (Student is encouraged but not required to prepare tissues with ST/MPR prior to performing HVLA/ME)		2017 (Sacroiliac ME with or without Sacral CS)	2017 (Student is encouraged but not required to prepare tissues with ST/MPR prior to performing HVLA/ME)	2017 (Sacroiliac ME with or without Sacral CS)		2017 (OB/GYN/low Back Pain)	
CSA12: OMS2 CSA6 (Spring Semester)	2017 (3 mins Focused (UE/LE/CH) Neuro Exam)								2017 (Cervical/Sacroiliac/Sacroiliac/Pelvis/Neuro Entrapment)	2017 (Visceral and BLT)

Entrustable Professional Activities

Fall Semester 1		Spring Semester 2			Fall Semester 3			Spring Semester 4			
CSA 1	CSA 2	CSA 3	CSA 4	CSA 5	CSA 6	CSA 7	CSA 8	CSA 9	CSA 10	CSA 11	CSA 12
ST	CS	CS	CS	HVLA	ME	CS	Ribs	Lumbar	CS	Sacroiliac	BLT
ART	MFR	ART	MFR	HVLA	ME	LYMPH.	STILL	STILL	OCMM (Strains)	CBL	CBL
Postural Exam	UE Tests	LE Tests	ME	ME	HVLA	STILL	CBL	Pelvis	OCMM (TX)	Neuro Exam	Neuro Exam
						RCE-ZCCP					VISC.

Selected OMS Core Competencies: I. Osteopathic Principles and Practices:

OPP3 (“Use osteopathic principles and practices (OP&P) to perform competent physical, neurologic, and structural examinations, incorporating analysis of laboratory and radiology results, diagnostic testing and physical examination”)	OPP5 (“Perform or recommend osteopathic manipulative medicine (OMM) as part of a treatment plan”) & OPP6	OPP6 (“Communicate and document treatment details”)	OPP4 (“Diagnose clinical conditions and plan patient care”) & OPP3, OPP5, OPP6
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Discussion

Medical education is actively engaged in a paradigm shift to competency-based medical education (CBME) from traditional approaches described by Flexner in the early twentieth century. CBME establishes criteria for minimal competency in knowledge, skills and attitudes expected of graduates prior to entering residency. This is accomplished by prioritizing outcomes utilizing competency-based measurements and Entrustable Professional Activities (EPAs). WCUCOM has integrated this approach in the preclinical OP&P courses.

Students must demonstrate minimal competency in didactic assessments and clinical skills assessments (CSAs) independently. Didactic assessments primarily test student knowledge in a more traditional approach through written exams. CSAs test proper, safe and professional performance of technical skill with verbalization during a simulated clinical encounter. It is critical to assess multiple authentic assessment/encounters in a longitudinally to document and map entrustment and milestone development. WCUCOM is exploring the use of milestones through a longitudinal survey of the OP&P preclinical curricula that are the foundation to measure development of EPA6, OPP5 and OPP6.

Future Practice

The top challenges include the following: (1) time and scheduling to ensure continued assessment opportunities for competency and milestone demonstration of EPAs, and (2) development of a consistency in assessment criteria and maintaining inter- and intra-rater reliability. Implementation of EPA6 has provided a clear delineation of measurement, outcomes and limitations which will drive future change in curriculum and measurement.