Academic Affairs

FY 2014 Goal: Enhance and Improve OMM Educational Programs

FY 2014 Initiatives:

- Increase quality of educational programs and teaching to improve student performance on COMLEX I and II.
- Improve quality of OMM Year I and II courses. Fully integrate into Both Preclinical years TCOM Curriculum.
- Improve quality of OMM Year III Core Rotation course.
- Develop Rehabilitation Science Graduate Program to increase PHD Student involvement in the lab.
- Develop Wellness and Prevention Curriculum for Year 1.
- Identify opportunities for interprofessional OMM education based at TCOM.
- Establish OMM specific training on documenting OMM in EMR system.
- Strengthen relationships with DFW Core Preceptors and reinforce curriculum with them.
Faculty: 
- David Mason, DO
- Kendi Hensel, DO, PhD
- Ryan Seals, DO
- Daniel Clearfield, DO, MS
- Rita Patterson, PhD
- Brett Piccotti, Resident
- Jacob Watters, Resident

- Russell Gamber, DO, MPH
- Lesley Schmitz, DO
- Sharon Gustowski, DO, MPH
- Alan Stockard, DO, FAOASM
- Roselle Liganor, Resident
- Jennifer Jamrog, Resident
- GTA: Christina Ragland

Fall 2013: 30 hours lecture, 48 hours lab, 29 DSA hours, 26 hours clinical competency testing and remediation/retesting

Spring 2014: 21.5 hours lecture, 56 hours lab, 19 DSA hours, 37 hours clinical competency testing and remediation/retesting

The course is designed to introduce the osteopathic student to the history and philosophical principles of osteopathic medicine. The course will provide the foundation of skills and knowledge to diagnose and treat somatic dysfunction. The student is introduced to several examples of direct and indirect treatment systems. The laboratory time is dedicated to developing confidence and skill in diagnosing and treating somatic dysfunction with specific treatment techniques guiding the understanding of the general principles of the treatment systems. In this way the student should be able to apply the principles to the practice of osteopathic medicine.

Objectives: At the end of the course the student should be able to demonstrate:

1. The diagnoses of somatic dysfunction through an osteopathic screening exam.
2. The understanding of direct and indirect treatment models including but not limited to high velocity low amplitude, muscle energy, strain-counterstrain, facilitated positional release, myofascial release.
3. The application of treatment techniques appropriately to the axial skeleton.
4. The principles and basic tenets of osteopathic medicine.
OMM Year I Course

From the Course Director
Sajid Surve, DO

As the newest member of the OMM Department, I am pleased to be given the opportunity to take over the Year 1 OMM course. Having run the Year 1 OMM course at Rowan University for the previous five years, this task is wholly familiar for me and I am reinvigorated by the new challenges and change it presents. The overall curriculum at TCOM has been reorganized in the past year, and the OMM course has had to adapt to meet these new demands. See below for some of the changes that will be rolling out with the 2014-2015 academic year:

Pass 1

The largest change is from Year 1 to Pass 1. Under the new curriculum, Pass 1 represents the foundational information on health and disease, and is condensed in timeframe. The Pass 1 OMM curriculum will be finished at the end of February 2015. To keep adequate time for all of the necessary content, both lecture and lab time have been added to occasional Thursdays and even Wednesdays.

Grade Reporting

The Pass 1 OMM curriculum is now effectively split into two separate courses. *Foundations of Osteopathic Manipulative Medicine* will encompass all didactic sessions and written examinations. The pre-lab, lab sessions and clinical competency examinations will all be reported as a section score within a new course called *Medical Practice*. Each course will have its own separate syllabus, course outline, and gradebook. Students must pass both courses independently to move on to the Pass 2 curriculum.

Principal Lecturer

I will replace Dr. Mason as the primary lecturer for the course content. We will continue to have guest lecturers for biomechanics and soft tissue techniques, as well as the respiratory-circulatory examination.
DSAs

In addition to reading assignments, wherever possible, new DSAs are being created that provide concise distillation of the core OMM concepts. These will apply only to the Foundations of Osteopathic Manipulative Medicine course content.

Pre-Lab/Lab

During scheduled Pre-Lab sessions in the lecture hall, an OMT table will be present and techniques will be demonstrated live for students to observe and ask questions. These videos will then be available online, and will serve as the basis for lab sessions. Lab sessions will no longer be lead from the stage; instead, the individual section leaders will be responsible for teaching in small groups. The techniques as shown on video will serve as the official source of information for CCEs.

Once again, allow me to reiterate my excitement at taking over this important position. Although much has changed for the upcoming year, the main goal remains the same: to train the best osteopathic physicians in the nation.

Respectfully submitted,

Sajid A. Surve, D.O.
Associate Professor
Department of Osteopathic Manipulative Medicine
UNTHSC Texas College of Osteopathic Medicine
Osteopathic Manipulative Medicine

Year II (OMM 3&4)

Course Director:
Sharon Gustowski, DO, MPH
9/1/13 through 5/31/14
Ryan Seals, DO - Effective 6/1/14

Course Coordinator:
Cari McClagart – 9/1/13 – 4/30/14
Casey Powers – Effective 5/1/14

Dr. Gustowski passes the Ram to Dr. Seals

Faculty: 
David Mason, DO
Kendi Hensel, DO, PhD
Clay Walsh, DO
Ryan Seals, DO
Lesley Schmitz, DO
Daniel Clearfield, DO, MS
Sharon Gustowski, DO, MPH

GTA: Christina Ragland

Fall 2013: 33 hours lecture, 28 hours lab, 33 DSA hours, 29 hours clinical competency testing

Spring 2014: 22.5 hours lecture, 22 hours lab, 23 DSA hours, 31 hours clinical competency testing

This course is a continuation of OMM 1 & 2. The treatment models are expanded to include the still technique, osteopathy in the cranial field, and visceral treatment. The application of principles and practice are applied to case scenarios in the specialty fields of cardiology, pulmonology, gastroenterology, obstetrics and gynecology, immunology and infectious disease, geriatric, pediatrics and general surgery. Medical specialties are introduced to coincide with the second year student’s system courses. The application of osteopathic principles and practice in the hospital setting are taught. Guest lectures explain and demonstrate the practice of osteopathic medicine in the specialties of neuromusculoskeletal medicine/ osteopathic manipulative medicine and physical medicine and rehabilitation.

Objectives: At the end of the course the student should be able to demonstrate:

1. The application of osteopathic principles and practice in medical specialties.
2. The understanding of indications and contraindications to the application of techniques.
3. The application of these modalities as they apply to special populations.
4. The diagnosis and correct application of osteopathic manipulative treatment to the axial and appendicular musculoskeletal system.
5. The use of osteopathic principles and practice in a hospital setting.
From Dr. Gustowski:

This year was a great one for the Y2 OMM courses.

The curriculum content remained stable although updates were made to the Designated Student Activities and Osteopathic Learning Modules to be more aligned with the Y2 Systems courses as well as maintain internal consistency.

Technological advances were once again employed by the Y2 Courses team. ExamSoft technology was implemented for Readiness Assessment Measures and Skills Checks with some mixed results- while there were improvements in grading and turn-around time for assessments, there were also some glitches and it is anticipated that ExamSoft will only be used for written exams in the future. We also revamped and streamlined our Canvas sites and received numerous positive comments from the students as they appreciated the improvements in ease of access of learning materials. We continued to use a computer-based assessment rubric tool for our Clinical Competency Exams with anticipation of transitioning to ExamSoft rubric system next year. We plan to continue to integrate new technologies into our courses, where feasible and appropriate.

This was the last year Dr. Gustowski will be course director and that Ms. McTaggart will be Academic Coordinator. Dr. Seals will be the new course director and will work with the TCOM Curricular team toward integrating the courses with the new Phases curriculum. Ms. Casey Powers joined the Y2 team as Academic Coordinator this summer and will be working with Dr. Seals.
From Dr. Seals:

I am excited to take the reins of the year 2 OMM course. We plan on continuing many of the great things done by Dr. Gustowski and Ms. McTaggart. They have been invaluable in helping to achieve a smooth transition between the teams, and we look forward to a great year ahead.

We hope to expand the use of technology into assessment by using an electronic rubric that can be graded online in ExamSoft. We (Dr. Seals and Dr. Gustowski) will also be piloting a study that examines the use of video technology in teaching during OMM lab. We always want to find new ways to make learning state of the art for our students.

In the spring, we will be starting the pass 2 of the class of 2018. This will involve some slight restructuring and reordering of the didactics and labs, but should be a great opportunity for continued integration of our medical curriculum. I plan to be involved in working with other systems directors for a smooth transition and an even higher level of integration of osteopathic principles throughout our entire curriculum. It should be a very exciting year ahead!
Student Teaching Assistant Program

Student Assistant Faculty Advisor:
David Mason, DO

Student Teaching Assistant Supervisor:
Toni Allen

Each April, the Year I class has an opportunity to nominate fellow students to become OMM Student Teaching Assistants (TAs) for the next academic year. TAs are chosen by OMM faculty and staff based on interest in OMM and academic standing. Those selected from the Year I class serve as TAs in the following academic year (Year II) and assist with the teaching of psychomotor skills to other students. Most importantly, TAs serve as an example to their classmates and the Year I students during the Practice Training sessions each week.

In 2013-2014, we had a very large pool to choose from. The TAs are either nominate by peers or self-nominated. This year we had 60 students nominated! From this pool we accepted 43 paid TAs for the 2014-2015 year. TAs assist in table training in OMM labs, individual OMM tutoring, large group tutorials, and clinical competency preparation.
Clinical Rotation in OMM (Mandatory 3rd year four-week)

The Osteopathic Manipulative Medicine Core Rotation is a four-week clinical OMM-specific rotation with faculty and community DOs in the state of Texas. Clinical environments in which patient care is extended include, but are not limited to, the on-campus Patient Care Center, preceptor’s respective practices in the North Texas community and at remote sites in Conroe, Houston, Longview, and Corpus Christi, and the hospital environments in which the preceptors and faculty provide service.

During this rotation, students serve with the members of the Department of Osteopathic Manipulative Medicine for consultations and treatment of the musculoskeletal component of medical and surgical disorders. Students become familiar with all aspects of the cases; and, following satisfactory demonstrations of proficiency in osteopathic manipulation, students are responsible for treatment of selected patients.

Objective and Requirements:

1. Know, understand and apply the four basic tenants of osteopathic philosophy in the approach to patient management.
   Evidenced in measurable data collected from:
   • A required didactic quiz administered on the first day of rotation. Information covered includes a Web-delivered Didactic Review and Modules of 14 Core presentations covering: the Cervical Spine; Cranial, Ileus, the Gastrointestinal System, Lower Extremity Somatic Dysfunctions, Lumbar spine, Ribs, Thoracic spine, Cervical and Thoracic Pain and Cephalgia; Geriatric patients, Upper Extremity Somatic Dysfunction; and 20 manipulative technique videos also reviewed in preparation for the orientation didactic quiz. Both collections also serve as OMT resources throughout the OMM rotation.
   • Pre- and Post-Rotation (qualitative) Surveys crafted to measure Osteopathic and OMT perceptions, bias, intention, and belief.

2. Perform an osteopathic screening exam and document findings in standardized terminology on AOA OMM forms for each encounter.
Evidenced in measurable data collected from:

- Preceptors in the form of a Clerkship Clinical Assessment collected at the end of the rotation
- A Case Report that emphasizes the application of manipulative treatment across a broad landscape of specialties – in family practice, physical medicine and rehabilitation, geriatrics, pain management and others. The case report allows the student doctor to focus deeply on the medical history of a single patient, investigate the history, course of OMT, osteopathic manipulative treatment, literature and test findings, discuss failings and best practices - and draw his/her own conclusions. The case report illustrates the impact of manipulative treatment in your unique clinical experience. Submissions of superior quality case reports are submitted for consideration for publication to peer-reviewed Osteopathic journals. In the 2013-2014 academic year, twelve were recommended for publication and are in the IRB/edit process.

Students have responded very positively to having continuity of their osteopathic medical education.

During the academic year of July 9, 2013 through June 21, 2014, 186 DFW students were scheduled for rotations with OMM physician’s through our academic department. These students rotated with campus and community faculty.

Multiple students at satellite site completed their rotations in OMM at Conroe, Corpus Christi, and Houston.

<table>
<thead>
<tr>
<th>Site</th>
<th>Number of Students Completing OMM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conroe</td>
<td>6</td>
</tr>
<tr>
<td>Corpus Christi</td>
<td>12</td>
</tr>
<tr>
<td>Houston</td>
<td>12</td>
</tr>
<tr>
<td>Longview</td>
<td>10</td>
</tr>
</tbody>
</table>

**Elective Rotations in OMM**

Third and fourth year students may choose to do a four week elective rotation in osteopathic manipulative medicine and also a Primary Care Partnership (PCP) Rotation. The elective would afford the student more time in the osteopathic manipulative clinic, the family medicine office and the hospital.

Objectives: At the end of the course the student should be able to demonstrate:

1. The ability to perform an osteopathic screening exam on patients in the clinical and hospital setting.
2. The diagnosis and correct application of osteopathic manipulative treatment to the axial and appendicular musculoskeletal system.
3. Documentation of the patient encounter.
4. Seventeen TCOM students chose to do a PCP rotation with an OMM physician in the 2013-2014 year.
OMM Year III Core Rotation

From the Course Director
Clay Walsh, DO

During FY 2014, we continued to refine and improve the course. We added four new OMM preceptors and unfortunately, had to remove two preceptors that did not meet our standards for student experiences and education. We are slowly, but steadily building a bigger and stronger OMM family in the State of Texas.

We have successfully integrated the Family Medicine and OMM core rotations for our ROME students. This is now a combined three month rotation that was tested with two students during this academic year. Next year all ROME students will participate in the combined rotation.

We have made an improved attempt at staying in better communication with our OMM preceptors. We invited and met several of them after our annual OMM Faculty Development in June. All preceptors have been given a copy of the updated syllabus as well as access to Canvas and all the OMM resources available to the students. We have also clarified what our expectations are from the preceptors. Communication will be ongoing.

We continue to try to visit core sites and provide OMM lectures to students, Interns, and Residents. Dr. Crow presented in Conroe in February, Dr. Walsh presented in Longview last summer and Corpus Christi last fall.

2014-2015 Goals include:

1. Developing an orientation video for our students at the various core sites.
2. OMM presentations by Dr. Gamber at Conroe and Dr. Walsh in Longview - both in September.
3. Increase core site visits by other OMM faculty.
4. Increase preceptor cadre.

Clinical Course Director: Clay Walsh, DO
Core Rotation Coordinator: Cari McTaggart
Graduate Teaching Assistant (GTA) Program

GTA Program Director: David Mason, DO
GTA Administrative Staff: Toni Allen

Current GTA: Christina Ragland, MSIV
(Program completed June 30, 2014)

The Department of Osteopathic Manipulative Medicine provides a stipend-supported Clinical Research and Education Graduate Teaching Assistant Program to medical students who have completed their third year of medical school. Applicants are selected based on their academic standing, demonstration of an above average interest in osteopathic philosophy and principles, and possession of an exceptional aptitude for manipulative medicine.

The program is a continuous 52 weeks (as a 4th year occurring between the 3rd and 5th years of medical school). This adds one year to the medical school program. The program is designed to prepare future osteopathic physicians in the principles and practice of osteopathic manipulative medicine as it applies to clinical patient care, hospital patient care, didactic and laboratory instruction, and research.

The program includes a Master of Science degree program in OMM Clinical Research and Education in combination with the Doctor of Osteopathy degree.

Program Goals

- Develop future leaders for the osteopathic profession
- Enhance clinical, research and teaching skills in the field of Osteopathic Manipulative Medicine
- Complete a Master’s of Science in Clinical Research and Education
- Conduct scholarly work suitable for peer-reviewed publication
• Enhance the academic profile of the medical student, thereby increasing the chance of being accepted to the residency program of choice

Students who complete this program are well recognized for their ability to effectively diagnose and treat disorders of the musculoskeletal system. GTAs receive an extra year of clinical and hospital patient care experience, compared to the traditional medical student. GTAs participate in research projects, journal clubs, philosophy discussions, and clinical didactic sessions.

**Job Description**

The GTA is a respected member of the OMM teaching, service, and research team. The GTA participates in continuity clinic up to two ½ days a week, which is precepted by OMM faculty. They also teach in Year I and II laboratories as table trainers.

**2013-2014 Year**

In the 2013-2014 year, we saw one GTA graduate from TCOM: Sebastiaan Bens, DO. MS-IV Christina Ragland completed the program and will graduate in May 2015.

During the 2013-2014 academic year, S/D Ragland participated in continuity clinic two half days a week, as well as taught as a table trainer in the OMM Labs for Year 1 and Year 2.

During her tenure, she completed the following projects and attended various courses:

**Poster Presentation:** (attached) “Effects of Osteopathic Manipulative Treatment on the Inflammatory Mediators Related to Asthma” JPS Research Day, June, 2014, Fort Worth, TX

**Thesis:** Effects of Osteopathic Manipulative Treatment on the Inflammatory Mediators Related to Asthma, tentative defense date of March 2015

**Attended:** Cranial Course in February 2014, MS Ultrasound Course in July 2013.
Abstract

Asthma is one of the top five adult health issues in Tarrant County. Ten percent (10%) of adults in Tarrant County have asthma, which is 1.2 times higher than state and national prevalence estimates. In addition to managing asthma symptoms with inhaled and oral medications, research shows osteopathic manipulative treatment (OMT) can be used as adjunctive therapy in the treatment of asthma in children and adults, as well as in other pulmonary diseases like pneumonia.

OMT and Asthma

OMT is the use of manual techniques, by a physician, “to improve physiologic function and/or support homeostasis” that is impacted by somatic dysfunction. Findings of tenderness, abnormality in the tissue-structure, asymmetry, and restriction to motion indicate the presence of somatic dysfunction.

Use of Osteopathic Manipulative Treatments in Asthma

- Improves mechanical functioning of the ribcage, diaphragm, thoracic spine, and accessory muscles of respiration by removing restrictions to motion.
- Treatments to rib cage and neck help balance the autonomic nervous system, specifically the portions that innervate the bronchi and lungs.
- Enhances local vascular and lymph circulation by modulating neural input, relaxing hypertonic musculature, and removing myofascial restriction around vessels.

Biomechanics

- Musculoskeletal restrictions limit the efficiency of chest motion (ribs, spine, diaphragms) through the respiratory cycle
- OMT – muscle hypertonicity, articulation restrictions, overall function of breathing
-Thoracic spine soft tissue, rib raising

Preliminary Results

FeNO: Fractional exhaled nitric oxide (FeNO) is released from airway smooth muscle and directly correlates with the degree of airway inflammation. Initial results indicate that, while FeNO displayed an overall increase, the change is not statistically significant. Because there is a broad spectrum of asthma severity, further analysis is needed to evaluate the changes in relation to severity.

Circulatory

- OMT – vascular and lymph flow, removal of local inflammatory cytokines and helps with airway edema
-Improves motion of the thoracoabdominal diaphragm; diaphragm motion pressure changes lymph flow
- Removes fascial restrictions that limit lymph and vascular flow
-Thoracic outlet myofascial release, doming of the diaphragm, thoracic lymphatic pump

Acknowledgements

We would like to thank the Osteopathic Research Center for providing financial support for this project, as well as PA Cha, the pulmonary clinic staff, and rotating medical students for their help. We would also like to thank Tori Como and Perla Gonzalez for their work in the ongoing biomarker analysis.

References


Figure 1 – Diagram of inflammatory cascade in asthma

Figure 2 – Anatomic areas addressed by OMT and the resulting impact on asthma. Specific techniques used in this study are listed in italics in each section.

Figure 3 – Average FeNO measurements taken before and after OMT. Although the post-OMT FeNO average is higher, the increase is not statistically significant. Error bars show 1 standard deviation.

The response to OMT in asthmatics was quantified with both macroscopic and microscopic measures using a pre-test, post-test study design.

Methods

- Spirometry
- FEV1/FVC ratio
- FEV1 – Forced exhaled volume in the first second
- FVC – Forced vital capacity
- AQLQ (asthma quality of life questionnaire)
- Subjective measure of asthma severity according to each participant over the two weeks before the study

Microscopic measures

- FeNO – fractional exhaled nitric oxide
- Blood-based biomarkers: IL-4, IL-5, IL-6, IL-13, and CRP
SAAO

Student American Academy of Osteopathy

Advisor: Clay Walsh, DO

Administrative Support: Toni Allen

President: Outgoing: Justin Ezell, MSII
           Incoming: Ben Batson, MS II

Officers: Outgoing: Emily Casterline, Caroline Crocker, Asmani Patel, Chelsea Stone and Miral Vaghasia
           Incoming: Elizabeth Balyakina, Keith Fishbeck, Antonio Flores, Anthony Handoyo, Sneha Sharma

The student academy is a way to get all students involved in the national organization that represents osteopathic manipulative medicine. The American Academy of Osteopathy holds its national convocation in March every year. It is attended by over 600 students nationally, this rivals the number of DO’s that attend. OMM faculty, staff, and SAAO student members attended convocation March 19-23, 2014. This year, TCOM and the OMM Department were represented by 18 faculty members and residents, 1 GTA, 1 staff member and 27 students.

The TCOM SAAO also sponsors and staffs a monthly soft tissue training session for the UNTHSC faculty, staff, and students. It is advertised via student email, bulletin boards, and university postings. Faculty, staff, and students receive soft tissue treatments from first and second year students under the supervision of an OMM faculty member and resident. The soft tissue draws in 10-30 patients a month, who are treated over a two hour
period the second Wednesday of every month in the OMM Lab on the fourth floor of the MET building.

SAAO officers and members recruited volunteers for the Vestido Rojo, Cowtown Marathon, Hispanic Wellness Fair, African American Wellness Fair, UNTHSC Health Fairs, DO Dash, and the MS Bike 150 to perform soft tissue training sessions to athletes and community members.

**Faculty and students at the Convocation Dinner**

**Asmani Patel and Chelsea Stone present their posters**
TCOM SAAO Wins National Chapter of the Year!

The Student American Academy of Osteopathy (SAAO) has proven itself to be one of the leading student organizations at the University of North Texas Health Science Center (UNTHSC). The club has truly exemplified the values of UNTHSC by encouraging the students at the Texas College of Osteopathic Medicine (TCOM) to engage in community service, participate in professional development activities, and promote the Osteopathic philosophy. SAAO has nearly tripled the number of members from 170 members in 2012 to over 500 active members in 2014.

One of the biggest accomplishments this year for SAAO has been providing Osteopathic Manipulative Treatment (OMT) to the North Texas community. In the 2013-2014 school year, 507 patients were treated by 122 SAAO volunteers at the following events:

- Vestido Rojo
- African American Health Expo
- MS 150 Bike Race
- Hispanic Wellness Fair
- Tarrant County Heart Walk
- DO Dash
- Cowtown Marathon

In addition to serving the community, 165 SAAO volunteers and 3rd/4th year TCOM students also provided Osteopathic Manipulative Treatment to 192 UNTHSC faculty and staff members during the monthly Soft Tissue Training Sessions. This not only gives faculty, staff, and students the opportunity to experience OMM, but it also gives SAAO members the opportunity to practice their OMM skills.

SAAO inspires their members to continue learning about Osteopathic Medicine through the monthly Technique of the Month. A physician, either from the TCOM faculty or from the community, comes to the school and presents OMT techniques in the subject of their choice. Speakers are invited to come to the school and teach students unique techniques which they would otherwise not have learned in the classroom setting. The following speakers have come to present throughout the 2013-2014 school year:

- Aaron Boone, DO
- Russell Gamber, DO
- Kendi Hensel, DO
- Sheri Hull, DO
- Conrad Speece, DO
- Clay Walsh, DO

SAAO has also given members the opportunity to attend the monthly Dallas Osteopathic Study Group, which invites physicians, fellows, residents, and medical students to discuss various topics in Osteopathy. This event is hosted at the Speece Family Clinic in Dallas, and a number of TCOM students attend each month.

The organization also plays a vital role in laying the foundation upon which 1st years can cement their OMT skills. SAAO does this by providing Competency Review Sessions for the 1st year TCOM students. This is an excellent opportunity for members to practice their skills outside of the classroom setting. The SAAO officers organize the competency review, and also receive volunteer help from Teaching Assistants of the Osteopathic Manipulative Medicine (OMM) Department.

One of the biggest events in the organization is the National SAAO Convocation, which allows members to network with other Osteopathic students, doctors, and professors to build professional relationships and encourage leadership and teamwork. Through annual fundraising events such as bake sales and T-Shirt sales and the Medical Student Government Association (MSGA) and the Student Leadership Professional Development Fund (SLPDF) Travel scholarships (each worth $500), SAAO was able to provide free housing to all 24 SAAO members that attended Convocation in Colorado Springs, Colorado. The Osteopathic Manipulative Medicine Department also provided Registration scholarships to 6 (each worth $225) SAAO members to attend the Convocation. The exemplary community service, education, and
professional development opportunities that SAAO offered the community and its members through the 2013-2014 was recognized at the National SAAO Convocation. TCOM SAAO received National Chapter of the Year, competing against 29 other Osteopathic Schools in the nation. The following Officers were involved in the success of SAAO this year:

- Justin Ezell - President
- Chelsea Stone - Vice President
- Asmani Patel - Treasurer
- Emily Casterline - Secretary
- Caroline Crocker - National Representative
- Miral Vaghasia - Historian
- Ben Batson - 1st Year Representative
- Keith Fishbeck - 1st Year Representative
- Sneha Sharma - 1st Year Representative

The achievements of the organization would not have been possible without the help of Clay Walsh, DO (SAAO Student Faculty Advisor and Assistant Clinical Professor for the Osteopathic Manipulative Medicine Department) and Toni Allen (Administrative Coordinator for the Osteopathic Manipulative Medicine Department). TCOM SAAO hopes to continue this legacy by serving the community and encouraging TCOM members to promote the Osteopathic philosophy. TCOM SAAO has already begun their next year with an even bigger role, nationally, with their newly appointed National SAAO Region 3 Representative, Caroline Crocker (Former National Representative for SAAO TCOM).
Graduate Medical Education

NMM/OMM
Residency Program

Residency Director:  Thomas Crow, DO
Residency Coordinator:  Kimberly Warfield

Drs. Liganor and Picciotti

2012-2013 Resident:  Aaron Boone, DO/GY3 – Graduated February 2014
2012-2013 Residents:  Brett Piccotti, DO/GY3
                      Roselle Liganor, DO/GY3

The residency in Neuromusculoskeletal Medicine/Osteopathic Manipulative Medicine at UNTHSC is a formal training period of two years planned and conducted for the purpose of providing advanced and concentrated training in osteopathic principles and manipulative medicine leading to board eligibility for certification by the American Osteopathic Board of Neuromusculoskeletal Medicine. The mission of this program is to provide education of the highest quality through progressive learning experiences that develop the attitudes, skills and knowledge of an osteopathic physician necessary to efficiently provide quality care. A basic foundation of academic, research, and clinical experience is included, integrating the basic medical sciences and osteopathic philosophy and principles with clinical manifestations of health and disease.

The Residency Director in conjunction with the faculty strives to achieve the following goals for the residency program:

- Provide learning experiences based on measurable objectives for the education of residents over the course of the training program.
- Promote a broad understanding of the role of neuromusculoskeletal medicine as it relates to other medical disciplines.
- Integrate the sciences applicable to neuromusculoskeletal medicine with clinical experiences in a progressive manner.
- Provide the resident with progressive responsibilities commencing with patient care and progressing to complete patient management.
▪ Develop the teaching skills of residents in neuromusculoskeletal medicine.
▪ Develop the skills necessary for problem solving.
▪ Develop professional leadership and management skills.
▪ Foster lifelong learning in medical education.
▪ Develop interest in and understanding of research in neuromusculoskeletal medicine.
▪ Prepare the resident to meet certification requirements of the AOA through the American Osteopathic Board of Neuromusculoskeletal Medicine.

Residents participating in this training program shall seek to achieve the following objectives:

▪ Manage clinical problems based on the knowledge of basic and clinical sciences.
▪ Use critical thinking in making effective decisions for patient management.
▪ Demonstrate proficiency in the psychomotor skills required of a competent osteopathic practitioner.
▪ Teach basic manipulative skills to medical students, interns and other residents within the context of the residency program.
▪ Collaborate effectively and share knowledge with colleagues and allied healthcare professionals.
▪ Make sound, ethical and legal judgments in the practice of neuromusculoskeletal medicine.
▪ Provide cost-effective care to all patients.
▪ Educate patients and their families concerning health care needs.
▪ Participate in opportunities for continuing education to promote personal and professional growth.
▪ Read, interpret and participate in clinical research where appropriate.
▪ Participate in community and professional organizations.

Residents participate in manipulative medicine clinic at the PCC. Four different faculty precept these clinics. NMM Residents are an integral part of our academic team, teaching in Years I and II laboratories as table trainers each with their own assigned groups. Second year residents teach in Year I and third year residents teach in Year II.
Plus One Residency Program

Residency Director:  Thomas Crow, DO
Residency Coordinator:  Kimberly Warfield

Dr. Liganor at the Cowtown

2013-2014 Resident:  Natalie Laniewicz, DO

The Plus One Residency Training in Neuromusculoskeletal Medicine/Osteopathic Manipulative Medicine prepares candidates to sit for the American Board of Neuromusculoskeletal Medicine certifying exam. A pre-requisite for entering the program is completion of any AOA approved residency program. Individuals who complete the Plus One program will gain valuable teaching experience, clinical skills, and research training. They will be ideal candidates for faculty at one of the osteopathic colleges or OPTI GME programs.

The program’s basic standards allow for a tailored rotation schedule based on the resident’s previous training. The resident will participate in the hospital OMM consult service and the outpatient OMM clinic 3 half days per week. The resident will be required to participate in departmental research projects. The resident will also become an integral part of the teaching team, both in the clinical settings and in the lecture and laboratory sessions.

The Plus One Residency Program in NMM/OMM will help TCOM-OMM reach its academic, clinical, research and service goals while creating the next generation of academic leaders. Residency recruiting is handled via the AOA website, TCOM website, and via recruiting initiatives.

Our residencies are augmented by a thriving didactic program. Didactics occur weekly from 1:00 to 5:00 on Friday afternoons. Department faculty are assigned monthly to precept, giving the residents and GTA’s a varied and multifaceted experience.

April 15, 2014 - UNTHSC Residency Fair – Thomas Crow, DO/Aaron Boone/Brett Picciotti

March 2014 – UNTHSC Booth at AAO Convocation – Kimberly Warfield/Blair Chappell, Physician Recruiter
NMM/OMM, Plus One and FM/OMM Residency

Residents in the MET Simulation Lab
OPTI Training

In collaboration with the Texas OPTI, the OMM Department faculty provides manipulative medicine training updates to area DO residents three times a year. Training is in 3 hours blocks on a Saturday morning. Topics are carefully chosen and scheduled so the resident gets a good variety of subjects and body systems. In the 2013-2014 year we delivered 3 training sessions.

November 13, 2013 – Thomas Crow, DO (UNTHSC)
- OMT in Migraines
- Upper Extremity

February 22, 2014 – Russell Gamber, DO (Cowtown)
- Cowtown Marathon Soft Tissue Training Session
  - Texas Residents Practiced OMM Techniques on marathon participants

May 17, 2014 – Ryan Seals, DO (UNTHSC)
- Neurologic Exam
- Mechanical Back Pain I and II

January 31, 2014 – Thomas Crow, DO (Conroe, TX)
- Upper & Lower Extremities OMT

Clay Walsh, DO, provides monthly OMM lectures to Plaza Medical Center students, interns and IM/FP residents. He includes all interns and residents when he travels to core sites to visit and lecture core OMM rotation students.
Academic Activities

Academic-Academic Presentations, Education Related Meetings, Conferences, Seminars, Workshops, Study Groups, CME:

Mason, David, DO, FACOFP

- Graduate Committee Meeting, Major Professor / OMT Asthma, PCC, December 19, 2013
- Lecturer, Faculty Development Program, Precepting Residents to do OMT, Billings, MT, February 5-6, 2014
- Host, Performing Arts Medicine, Dr. Surve New Faculty Grand Rounds, TCOM LIB 100, January 17, 2014
- Attendee, Nervous System Meeting, Planning Meeting Neuro 1-2, TCOM, February, 18, 2014
- Attendee, Management as Leadership, UT Dallas, March 1-6, 2014
- Attendee, Convocation AAO, Colorado Springs, CO., March 18-22, 2014
- Presenter, Convocation AAO Lecture, Top OMT Techniques in Sports Medicine, Colorado Springs, CO, March 21, 2014
- Presenter, COCA ACOM, Preparing for OMM COCA, Washington, D.C., April 2, 2014
- Presenter, Resident Didactics, Greenman Exercise Rx, OMM, May 9, 2014
- Attendee, OMM Summer Education Retreat, Faculty Development, OMM, June 3, 2014
- Attendee, OMM Faculty Development, OMM, June 10, 2014

Clearfield, Daniel, DO, MS

- Program Director, TCOM Primary Care Sports Medicine Fellowship, TCOM, April - 2012 present
- Attendee, Tarrant County Medical Society Sports Medicine Committee Meeting, Fort Worth, September 4, 2013
- Attendee, TOMA District II Meeting, Fort Worth, September 19, 2013
- Presenter/Moderator, AOA Annual Convention, Las Vegas, NV, September 30 - October 4, 2013
- Presenter, Dermatologic Conditions in Athletes, Fort Worth, November 6, 2013
- Attendee, Tarrant County Medical Society Sports Medicine Committee Meeting, Fort Worth, TX
- Co-Advisor, Richards College, TCOM, September 2013-present
- Presenter, Concussion Evaluation & Management - Lone Star Medics Field & Tactical Medicine Conference, Dallas, TX, March 30, 2014
- Attendee, AOASM Annual Conference, Tampa, FL, March 19-22, 2014
- Presenter, Common Medical Conditions in Endurance Athletes, Fort Worth, TX, April 2, 2014
- Co-Director, Prolotherapy Workshop, Austin, TX, April 5-6, 2014
- Presenter, Conference, Concussion Evaluation & Management, April 25, 2014
Crow, Thomas, DO, FAAO

- Participant, CME, Beyond the Basics, Phoenix, AZ, October 11-13, 2013
- Participant, Post- Doctoral Standards Committee, Telephone, September, 2013
- Participant, GME Committee, TCOM, September, 2013
- Moderator, GME Committee, TCOM, October, 2013
- Attendee, ACOFP Program Director’s Workshop, Residency Director’s Workshop, Philadelphia, March 11-12, 2014
- Attendee, AAO Convocation, OMM and Trauma, Colorado Springs, CO, March 19-24, 2014
- Attendee, OMM Education Retreat, Faculty Development, TCOM, June 9, 2014
- Attendee, OPIODS Use and Abuse, TCOM, June 10, 2014

Gamber, Russell, DO, MPH

- AAMC, Learning Communities, Philadelphia, October 31, 2013
- AAMC Learning Communities (Mentoring), Philadelphia, November 1, 2013
- SAAO, TCOM, November 13, 2013
- Attendee, Prep Meeting for Betty Ford Institute Visit, Fort Worth, TX, March 22, 2014
- Participant, Betty Ford Institute Program, The Addicted Patient, Palm Springs, CA, April 28-30, 2014
- Faculty Attendee, Betty Ford Center, Addiction Medicine, Palm Springs, CA, May 1, 2014
- Faculty Attendee, JAMP Lecture, History of Osteopathic Medicine, Fort Worth, TX, June 2, 2014

Gustowski, Sharon, DO, MPH

- Student, Academic Fellowship, MET 300, September 10-14 and October 25 -27, 2013
- Betty Ford Summer Institute for Medical Students, Rancho Mirage, CA, April 28-May 2
- Presenter, TOMA Tx ACOFP Convention, OMT for Pediatrics Adolescent, San Antonio, TX, June 5, 2014
- Attendee, TOMA Tx ACOFP Convention, Sports Injuries, San Antonio, TX, June 5-8, 2014
- Program Chair, OMM Department retreat, MET, June 3 & June 10, 2014
- Attendee, Risk Management Seminar, MET, May 14, 2014

Hensel, Kendi, DO, PhD

- Vice Chair, ECOP, ECOP Fall Meeting, Des Moines, IA, September 19-21, 2013
- Board Member, AAO Leadership Retreat, Leadership and Communication, Las Vegas, NV, September 28, 2013
- Presenter, AOA-OMED, OMT for Back Pain in Pregnancy, Las Vegas, NV, October 2, 2013
• Reviewer, JAOA Article Review
• EMR Upgrade, PCC 172, December 3, 2013
• Presenter, OB Grand Rounds, Harris Klabzuba
• Basic Percussion Hammer Course, TCOM, Fort Worth, TX, February 14-16, 2014
• Recovery from Moral Injury after War: Veterans and Soul Repair, TCU – Fort Worth, TX, February 5, 2014
• Attendee, Introduction to Fascial Distortion Method, Colorado Springs, CO, March 17-18, 2014
• Attendee, AAO Convocation, Colorado Springs, CO
• Vice-Chair, ECOP, Chicago, IL, April 10-12, 23014
• Presenter, OMS3 OB Students, OMM in OB, MET 432, May 23, 2014
• Presenter, OMM Curriculum Review, KCUB+MB, May 30, 2014

Patterson, Rita, PhD

• Lecturer, First year TCOM Lectures, Biomechanics, MET, September 3 and 12, 2013
• Participant, Child Study Center potential collaboration meeting, Child Study Center, Lancaster Ave., Ft. Worth, TX, September 24, 2013
• Lecturer, Texas A&M University Bioengineering Department Seminar, Evaluation of Upper Extremity Function and Motor Performance, College Station, TX, September 23, 2013
• Invited Speaker, 32 Annual G.W.N. Eggers Lecture Shop, Carpal Biomechanics and Kinematics after Scapholunate instability, April 3-5, 2014
• Teacher, 3rd semester course for UNT School of Education, UNT Main Campus, Biomedical Issues in Autism, May 29-June26, 2014
• Participant, UNT Denton College of Engineering Grant Workshop, UNT Main Campus, Skype presentations on grant funding from NIH/NIBIB, NIST and DOD-ONR, May 9, 2014

Seals, Ryan, DO

• Supervisor, Monthly SAAO Soft Tissue Clinic, OMM Lab, September 11, 2013
• Participant, Clinical Provider Representative meeting, Committee Meeting to enhance UNT clinical experiences for patients and practioners, MET 300, September 20, 2013
• Speaker, In-service hospital OMM presentation, Educational lecture to Harris Ortho floor on role of OMM in hospitalized patients
• Participant, Employee wellness focus group, Focus group to improve wellness opportunities for employees at UNTHSC, MET 300, October 13, 2013
• Presenter, TOMA 58th Mid-Winter Conference, Osteopathic Manipulative Medicine for Common Sports Injuries, Dallas, TX, January 31, 2014
• Committee Role, NBOME OMM item writer review meeting, Reviewed COMPLEX OMM questions, Chicago, IL, February 28 – March 1, 2014
• Grader, NBOME SOAP note grader training, Received training on grading COMPLEX PE SOAP notes, Conshohocken, PA, March 22, 2014
• Attendee, CME-New Manual Articular Approaches to the extremities, Colorado Springs, CO, March 15-18, 2014
• Attendee, CME-AAO Convocation, Colorado Springs, CO, March 19-21, 2014
Panel Participant, JAMP Physician’s panel, Part of Physician panel for high school and college students interested in medicine, April 5, 2014

Walsh, Clay, DO

- Instructor, Year 3 Core OMM Director, (Meet with Ms. McTaggart on Tuesday’s, Thursday’s and Friday’s, PCC/MET, Ongoing
- Participant, AME, LIB, September 4, 11, 18, 25 & October 9, 16, 30, 2013
- Instructor, Year 2 OMM Lab Facilitator, PTR, September 4, 11, 18, 25 & October 9, 16, 23, 2013
- Member, GMEC Meeting, Plaza Medical Center
- Member, Clerkship Directors Meeting, LIB 318, September 11, 2013
- Advisor, Richards advisory college meeting (Year 1 and 2 combined), Everett 100, September 17, 2013
- Faculty, Clinical Action Committee, PCC, October 12, 2013
- Advisor, Richards College Social, JRB/Carswell, October 12, 2013
- Member, Credentials Committee Meeting, EAD 868, October 15, 2013
- Assistant Advisor, SAMOPS Meeting, MET 550, October 24, 2013
- Member, Credentials Committee Meeting, EAD 868, November 19 and December 17, 2013
- Advisor, Richards College Social, JRB / Carswell, December 13, 2013
- Instructor, Year 3 Core OMM Director, PCC / MET, Ongoing (Meet with Ms. McTaggart on Tuesdays/Thursdays/Fridays
- Participant, AME, LIB, Year 2 Comp Remediation, January 8, 29, Hospital coverage on January 15, ACLS January 22- February 12, Year 2 Comp Remediation, February 19, 26, 13, 2014
- Instructor, Year 2 OMM Lab Facilitator, PTR, January 8, 22, 29 and February 12, 13, 19, 26 Year 2 Comp Remediation
- Faculty, Clinical Action Committee, PCC, January 10, 2014
- Advisor, Advisory Colleges Fac Directors Meeting (Deans Letter), MET 111, January 15 and February 17, 2014
- Member, GMEC, Plaza Medical, January 29, 2014
- Advisor, Richards College Meeting, Everett 100, January 16, 2014
- Advisor, Richards College Meeting, EAD 506, CPT Coding and Billing – Dr. Clearfield, February 18, 2014
- Member, Credentialing Committee Meeting, Founders Board Room, February 18, 2014
- Instructor, Year 3 Core OMM Director, PCC/MET, Ongoing (meet with Ms. McTaggart on Tuesdays, Thursdays and Fridays
- Participant, AME, Library, Comp. March 5 – Did not attend as I was covering hospital service for Dr. Hensel. April 9 and April 16 – (hospital coverage for Dr. Hensel on April 2 and April 30, Comp. April 23, 2014
- Instructor, Year 2 OMM Lab Facilitator, PTR, March 12 and 26, Remediation March 27, 2014. April 2, 9, 23 (Comp.) April 30- Year 2 Comp Remediation
- Faculty, OMM Clinical Action Committee, PCC, March 7, 2014
- Advisor, Advisory Colleges Faculty Directors Meeting, MET 300, March 17, 2014 and April 21, 2014
• Member, Credentialing Committee Meeting, Founders Board Room, Unable to attend in March, April 14, 2014
• Member, OMM Clinical Action Committee Meeting, Next Gen update, LIB 410, April 11, 2014
• Instructor, Year 3 Core OMM Director, PCC/MET, Ongoing (Meet with Ms. McTaggart on Tuesday’s, Thursday’s and Friday’s)
• Participant, AME, Library, May 7, 14, 21 and June 11 (hospital coverage for Dr. Hensel on June 4 & 25, PCC pt June 18, but did not participate in field trip)
• Meeting WITH Corpus Christi based Advisory College students/social, Corpus Christi, TX, May 27, 2014
• Committee Member, Plaza GMEC, PMC, May 28, June 18
• Advisor, Advisory Colleges Faculty Directors Meeting, MET 300, May 12, 2014
• Member, Academic Team Meeting, MET 550, May 14 and May 21, 2014
• Course Director, OMM Core preceptors Meeting, OMM Core rotation overview, MET 550, June 10, 2014
• Member, Credentialing Committee Meeting, Founders Board Room, June 17, 2014

Academic 1A CME Credit – Student Resident Lectures/Didactics/OPTI:

Mason, David, DO, FACOFP

• Participant, Healthcare Policy / Leadership, Washington, D.C., September 8 -13, 2013
• Participant, AOA Meeting OMED, AOA/ACOFP CME, Las Vegas, NV, September 29 - October 2, 2013
• Host, Percussion Hammer Course – AAOCME, Richard Koss Basic Percussion Hammer, February 14-16, 2014
• Texas Ballet Meeting, TCOM, January 13, 2014
• Master’s Thesis Defense, LIB 100, Major Professor Leg Length Discrepancy, Sebastiaan Bens, April 9, 2014
• Trainer, Exaggeration Techniques, Still/Exaggeration Techniques – Dr. Dickey, OMM, June 26-28, 2014

Clearfield, Daniel, DO, MS

• Presenter, TCOM, Osteopathic Clinical Joint Exam – Knee, TCOM, November 5, 2013
• Presenter, Plaza Medical Center, Concussion Evaluation & Management, November 7, 2013
• Presenter, Plaza Medical Center, Hand & Wrist Exam, December 19, 2013
• Presenter, TCOM, United States Olympic Training Center Sports Medicine Experience, December 10, 2013
• Presenter, Special Populations: Athletes & OMT, TCOM, February 18, 2014
• Presenter, Introduction to Billing & Coding, TCOM, February 18, 2014
• Presenter, MSK US Cadaver Lab Injection Workshop, TCOM, February 19, 2014
Crow, Thomas, DO, FAAO

- Leader, Resident Didactics, OMT and Children, UNTHSC, September 6, 13, 20, 27 & October 4, 2013
- Leader, Resident Didactics, Essentials of Pain Management, UNTHSC, October 18, 2013
- Leader, Resident Didactics, Lower Extremity Anatomy, UNTHSC, October 25, 2013
- Lecturer, OPTI Lecture, OMT in Migraines and Upper Extremity, November 13, 2013
- Lecturer, Lecture Residents Students, Upper and Lower Extremities OMT, Conroe, TX, January 31, 2014
- Lecturer, NMM Didactics, OMM Didactics, January 10, 17, 31 & 24, 2014
- Lecturer, Resident Didactics, In-service review, TCOM, March 7 & 14, 2014
- Lecturer, Resident Didactics, Practice Management, TCOM, March 28, 2014
- Supervisor, Resident Didactics, Somatoemotional Release, TCOM, April 4, 2014
- Supervisor, Resident Didactics, Anatomy of the Pelvis, TCOM, April 11, 2014
- Supervisor, Resident Didactics, OB-GYN, TCOM, April 25, 2014
- Lecturer & Supervisor, Resident Didactics, TCOM, May 2, 9, 16, 23, 30 and June 6, 13, 20 & 27, 2014

Gamber, Russell, DO, MPH

- Preceptor, OPTI Cowtown Marathon Soft Tissue Clinic, OMT for acute running injuries, February 22, 2014
- Trainer, TOMA Conference, 3 hour table trainer OMT, San Antonio, TX, June 5-6, 2014

Gustowski, Sharon, DO, MPH

- Participant, OMED, Las Vegas, NV, September 30 - October 4, 2013
- Academic Fellowship, MET, January 15-19, 2014
- Table Trainer, Sports Injuries & OMM, Dallas, TX, January 31, 2014
- Academic Fellowship, MET, February 21-23, 2014
- Attendee, AACOM, Washington, D.C., April 2-5, 2014
- Presenter, AAO Convocation, Colorado Springs, CO, OMT for Head & Neck pain after Dental Extraction, March 22, 2014
- Student, Academic Fellowship, MET, June 17-20
- Attendee, Exaggeration Technique, MET, June 26-28, 2014

Hensel, Kendi, DO, PhD

- Presenter, Present to MSIII OB Students, OMM in OB, MET 432, September 27, 2013
- Presenter, Present to MS4 Geriatrics Students, OMM in Geriatrics, MET 432, September 6, 2013 & October 4, 2013
- Presenter, Lab and OLM to MS2, Cranial strain patterns, MET 124, OMM Lab, September 11 & 13, 2013
- Presenter, Respiratory Foundations, OLM to MS2, MET 124, October 29, 2013
- Presenter, Present to MS4 Geriatrics Students, OMM in Geriatrics, MET 432, November 1, 2013
- Presenter, Present to MSIII OB Students, OMM in OB, November 8, 2013
- Presenter, Present to MSIII OB Students, OMM in OB, MET 432, January 10, 2014
- Presenter, Women’s Health Week presentation, OMM in Women’s Health, MET 124, January 29, 2014
- Presenter, Present to OMS2 Students, OMM in Pregnancy, MET 470, January 29, 2014
- Presenter, Present to MS4 Geriatrics Students, OMM in Geriatrics, MET 432, February 21, 2014
- Presenter, OMM in Geriatrics, MET, March 28, 2014
- Presenter, OMM in OB, MET, April 4, 2014
- Presenter, Resident Didactics, MET, OMM research in OB, April 25, 2014

Seals, Ryan, DO

- Facilitator, NMM Resident Didactics, Pediatric approaches to neurology/cranial and visceral OMT techniques, MET 550, September 13, 2013
- Facilitator, NMM Resident Didactics, Cranial Osteopathy, January 31, 2014
- Presenter, Lecture for North Texas Family Medicine Update, UNTHSC, Osteopathic Manipulative for common GI disorders, April 26, 2014
- Presenter, Resident OPTI, Low Back pain and neurologic exam, MET PTR 4th floor, May 17, 2014

Walsh, Clay, DO

- Presenter, Student, Intern, Resident Noon Lecture, OMM and the Pulm Patient, September 10 & October 8, 2013
- Committee Chair, AAO Leadership Conference, AOA/OMED Las Vegas, NV, September 28, 2013
- Participant, AAO/OMED, Las Vegas, NV, September 30, October 1 & 3, 2013
- Presenter, Student, Intern, Resident, Noon Lecture, OMM and the Cardiac Patient, PM Center, November 12, 2013
- Advisor, Richards College Year 2 Meeting, Everett Hall, November 5, 2013
- Advisor, Richards College Year 1 Meeting, Everett Hall, November 7, 2013
- Lecturer, Internal Medicine Resident noon OMM Lecturer, Plaza Medical, Fluid Model/Lymphatics, January 14, 2014
- Participant, ACLS, Plaza Medical, ACLS Recertification, January 22, 2014
- Lecturer, Internal Medicine Resident noon OMM Lecturer, Plaza Medical, Osteopathic Approach to the Upper Extremity, February, 11, 2014
- Preceptor, Cover Resident Clinic, PCC, February 6, 2014
- Table Trainer, Fulford Percussion Hammer Course (AAO) UNTHSC (PTR) Assisted Dr. Richard Koss in preparing for and teaching this course, February 14-16, 2014
- Instructor, Lead OMM Year 2 Lab from stage, PTR, OMM of the Upper Extremity, February 19, 2014
- Instructor, SAAO Technique of the Month, Mini OMM Lab, Simple OMM Techniques, February 24, 2014
- Participant, Sexual harassment/Hostile work environment training, MET, March 3, 2014
- Lecturer, Internal Medicine Resident noon OMM Lecture, Osteopathic Approach to the Critical care Patient, Plaza, April 8, 2014
- Preceptor, Cover Resident Clinic, PCC, April 3, 2014
- Advisor, SAAO Technique of the Month, Techniques learned at Convo, MET 125, April 14, 2014
- Advisor, Richards College Meeting, Dr. Wayne English, MET 111, April 22, 2014
- Lecturer, Internal medicine Resident noon OMM Lecture, Osteopathic Approach to the Endocrine Dz, Plaza, May 30, 2014
- Lecturer, Internal Medicine Resident noon OMM Lecture, Osteopathic Approach to the Cancer Patient, Plaza, June 19, 2014
- Preceptor, Cover Resident Clinic, PCC, June 26, 2014
- Lecturer, OMM Lecture to Plaza Surgery Residents, OMT for Ilius and atelectasis, Plaza, June 20, 2014