

NAIOMT/ANDREWS UNIVERSITY ORTHOPEDIC RESIDENCY PROGRAM



North American Institute of Orthopaedic Manual Therapy

Andrews  University

Seek Knowledge. Affirm Faith. Change the World.

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The North American Institute of Orthopedic Manual Therapy (NAIOMT), a national provider of orthopedic manual therapy curriculum and Andrews University, home of the Doctor of Science degree program in orthopedic manual therapy, are excited to announce a dynamic new partnership! A manual therapy based orthopedic residency program. Both institutions are dedicated to the postgraduate education of physical therapists, producing “master” clinicians whose skills in differential diagnosis and clinical reasoning produce superior outcomes in the clinical environment, setting them apart from their peers.

OVERVIEW

An 18-month postprofessional clinical mentorship and postgraduate educational curriculum designed to prepare the physical therapist as an orthopedic clinical specialist with a focus in manual therapy and clinical reasoning.

DIDACTIC STRUCTURE

The didactic curriculum required for the program is as follows:

1. **NAIOMT Level I:** Principles of Differential Diagnosis in Orthopedic Manual Therapy: initiates the development of critical clinical thinking in orthopedics and, predominantly, utilizes assessment principles described by James Cyriax MD and other orthopedic experts. This level assists the student in basic medical screening, rational differential diagnosis and selection of manual and mechanical interventions of the musculoskeletal system.
2. **NAIOMT Level II: Intermediate Upper Quadrant:** Includes detailed biomechanical assessment and manual therapy techniques of the upper and lower cervical spine, shoulder girdle, elbow, wrist and hand joints.
3. **NAIOMT Level II: Lower Quadrant:** Detailed biomechanical assessment and manual therapy techniques of the thoracolumbar junction, hip, knee, foot and ankle joint.
4. **NAIOMT Thoracic Spine:** Detailed biomechanical assessment and manual therapy techniques of the thoracic spine, to include the segmental tissues as well as the costotransverse and costovertebral joints.
5. **Medical Diagnostics:** An online course which provides information regarding imaging procedures with emphasis on the utilization of standard x-ray's for the musculoskel-

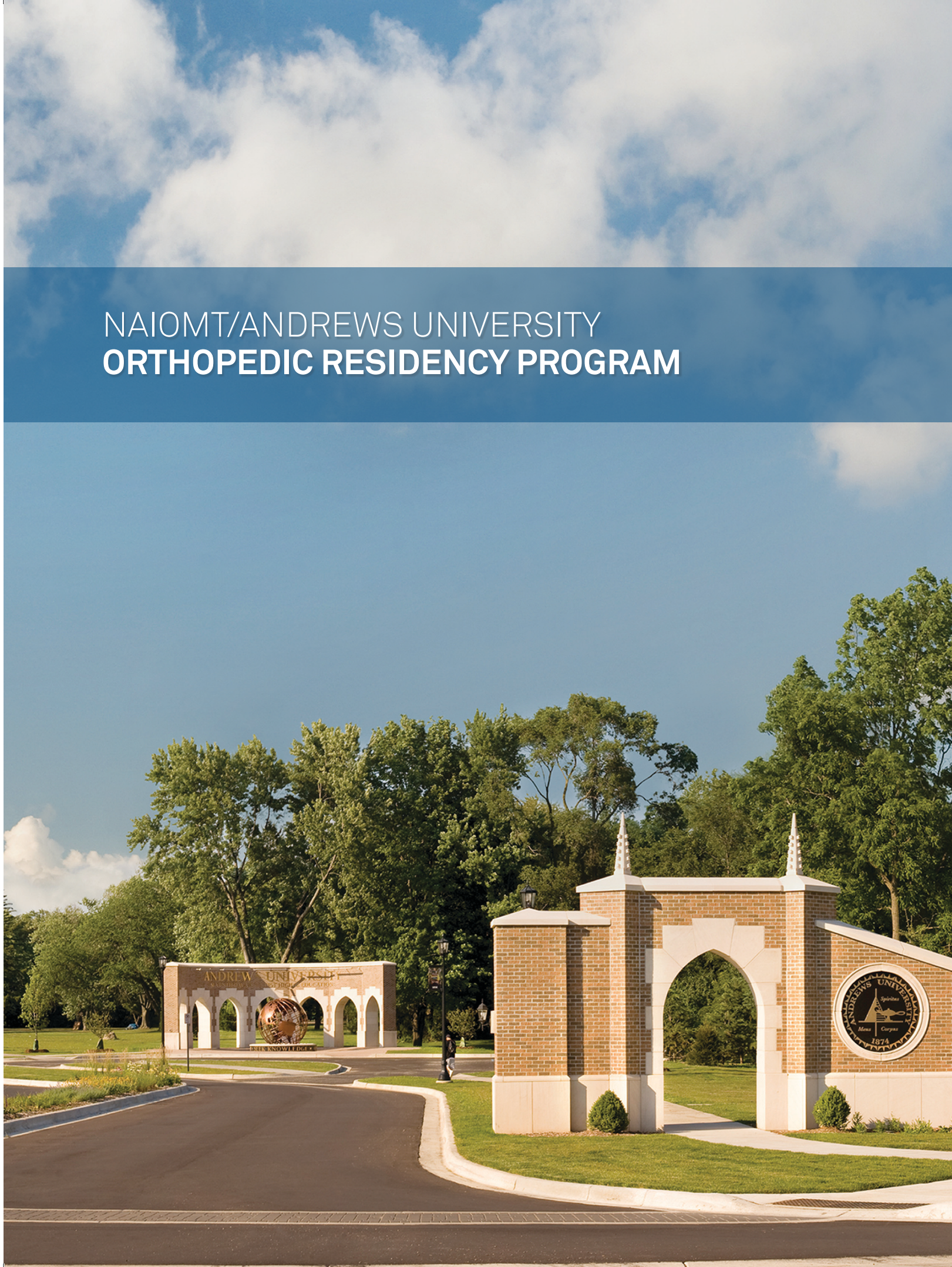
etal system and differential diagnosis. Also has a small component dealing with laboratory science and pertinent lab tests and values for conditions associated with musculoskeletal pain. Includes observation hours with a radiologist and/or an orthopedic or neurosurgeon.

6. **Evidence-Based Orthopedic Clinical Practice:** A Research Review: An online review of research methodology and design and data analysis designed to allow an objective analysis of the literature concerning aspects of clinical practice. Covers the current research evidence regarding orthopedic clinical practice with analysis toward clinical utilization.
7. **Post-Surgical Management of Common Orthopedic Conditions:** An online course covering the most common surgical procedures in orthopedic clinical practice and principles for successful postoperative management in physical therapy practice.
8. **APTA Home Study Pharmacology:** Reviews the common pharmacological agents used in successful management of most musculoskeletal pain problems.

CURRICULAR FLOW

Sept. 1–Dec. 31	NAIOMT Level I Post-Surgical Management of Common Orthopedic Pathologies
Jan. 1–April 30	Evidence-Based Orthopedic Clinical Practice: A Research Review Home Study Pharmacology Course
May 1–Aug. 30 July 1–Sept. 30	Level II Lower Extremity Medical Diagnostics
Oct. 1–Jan. 30 Feb. 1–April 1	Level II Upper Extremity Level II Thoracic Spine Complete Live Patient Exams

Each NAIOMT course represents six days of instruction with the exception of the Thoracic Spine course which is three days. These classes are offered at strategic sites around the country and are offered either as two 3-day courses spanning two weekends or as a 6-day module (offered at Andrews University). Each NAIOMT course will also have an online component for the resident to complete that will span approximately 3–4 months. This will include readings, class discussions, case studies and exams. The resident will be able to use each faculty member as a mentor during the time that the particular course is being offered.



Upon successful completion of the program, the resident will receive 16 graduate credits from Andrews University that could be used towards a future postprofessional degree.

OUTCOME MEASURES

1. Each course will have its own outcome measures to include tests, case studies, projects, literature reviews and online class discussions. The emphasis in each course will target the resident’s clinical reasoning process. The resident will be expected to use the anatomical, biomechanical, physiological and research evidence presented in their curriculum to effectively evaluate, differentially diagnose, prepare and execute a treatment program.
2. Each resident will perform three live patient exams as a final oral/practical component of their residency. These will cover one spinal, one lower extremity and one upper extremity patient. The resident must independently take the complete history, perform a comprehensive examination and administer the first treatment, demonstrating appropriate utilization of clinical skills and reasoning according to NAIOMT standards.
3. The curriculum is designed such that each resident, upon completion of this program, will have been taught skills necessary to successfully pass the APTA Orthopedic Clinical Specialist exam.
4. Each resident will receive a certificate of residency completion after successfully passing all courses, the live patient exams and clinical mentorship hours.

CLINICAL MENTORSHIP

Clinical partners joining the NAIOMT/Andrews orthopedic residency program must have at least one clinician who is an orthopedic clinical specialist or OCS on staff. The clinic will provide the 150 hours of 1:1 supervision of the orthopedic clinic resident during the 18-month residency. NAIOMT will be involved in each step of this process, providing the clinical guidelines and evaluation tools needed to assess the resident’s progress. Each clinical partner will have a NAIOMT representative designated to assist them with the mentorship process. Each resident will be assigned a NAIOMT faculty mentor to be used in addition to the faculty mentors providing the didactic curriculum.

BENEFITS OF BECOMING A CLINICAL PARTNER

This program is truly a “turn key” operation, allowing any orthopedic physical therapy clinical setting processing the necessary components set forth by the APTA and who has qualified staff mentors to offer a residency position! This saves

the clinic both time and money over the long run as creating, implementing and then accrediting a residency program involves resources many clinics can’t afford to spare.

The many benefits include:

- Recruitment of staff
- Retention of existing staff by offering mentoring and teaching opportunities
- Staff development
- Increased productivity

CLINICAL PARTNERSHIP FINANCIAL MODELS

It is expected that the resident will be a full-time employee of the clinical partner for the duration of the residency program. This benefits the clinical partner from both a staffing and productivity standpoint. With regards to financial compensation to cover the cost of the residency program, there are several options including:

1. **Term-of-employment contract:** The clinical partner may require that in exchange for the clinic covering the cost of the residency program, the resident sign on for a certain number of years of employment, whatever is deemed necessary to cover the appropriate costs. Penalties and payback arrangements can be outlined by the clinical partner in the event that the resident decides not to fulfill that contract.
2. **Reduced Salary:** The clinical partner may offer full-time employment with benefits appropriate for a new hire but reduce the expected salary for a new graduate to cover the costs of the program.

PROGRAM COST

Current costs for the residency program can be found at www.andrews.edu/cas/pt or www.naiomt.com. Cost includes tuition and fees for the didactic curriculum (17 post-graduate credits), portal for online education delivery, access to library services during the term of the residency, NAIOMT oversight of clinical mentorship hours for the clinical partner and NAIOMT mentorship of the resident by approved NAIOMT and Andrews faculty. Please note: the total cost does not include any expenses associated with attending the required NAIOMT courses nor the cost of any textbooks required for each course.

APTA CREDENTIALING

As previously indicated, NAIOMT is currently an APTA credentialed provider of fellowship education in manual therapy. Application for APTA credentialing of this residency program is pending.



1. CLINIC INFORMATION

Clinic Name: _____

Clinic Address: _____

Phone Number(s): _____

Fax Number: _____

Contact Person at Clinic: _____

E-mail Address: _____

Type of Clinic: (*private PT-owned, hospital-based, MD-owned, etc.*) _____

Number of FTE physical therapists: _____ Number of OCS clinicians employed by clinic: _____

Number of manual therapy certified clinicians employed by clinic and organization certified through: _____

Average number of patient visits per week at clinic: _____

Average number of patients per day seen by FTE clinicians: _____

Description of patient base by average percentage seen per month (*should equal 100%*):

- _____ a. Acute/subacute orthopedic
 - _____ b. Chronic orthopedic
 - _____ c. Neck
 - _____ d. Shoulder
 - _____ e. Elbow/wrist/hand
 - _____ f. Low back/thoracic spine/pelvic girdle
 - _____ g. Hip
 - _____ h. Knee
 - _____ i. Ankle/foot
- = 100%

Description of Clinical Setting:

Number of square feet _____

List of equipment available at the clinical site _____

Number of treatment rooms _____

Services provided outside of traditional PT (health and wellness programs, exercise classes, etc.) _____

Other educational opportunities available through site (shadowing MD's, observing surgery, etc.) _____

Number of residency slots offered: _____

2. CREDENTIALS OF PRIMARY CLINICAL MENTOR

Please submit an updated curriculum vitae of the primary clinical mentor at your facility who will be responsible for the 1:1 mentorship of each residency slot offered. Please include educational background, work history, continuing education and certifications along with experience in providing clinical education.

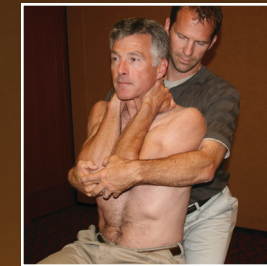
3. CLINICAL PARTNER STATEMENT OF PURPOSE

Please submit a one-page typed statement of why this residency slot will be beneficial to the clinic and what the goals of participation in this program are.

Please submit completed applications to:

Postprofessional Physical Therapy Program
Attn: Administrative Assistant
Andrews University
8515 East Campus Circle Drive
Berrien Springs MI 49104-0420

E-mail: ptpostpro@andrews.edu
Phone: 269-471-6305



TESTIMONIALS

"After a few years of seeing what many other educational systems had to offer, I knew that in NAIOMT I had found something special. Rather than feed the student a singular philosophy, the NAIOMT sequential coursework provides a challenging framework from which to become a better critical thinker. It is deeply rooted in anatomical and biomechanical science, and challenges you to look more critically at the things you see every day in practice. In so doing, the therapist becomes a better diagnostician, and generates their own philosophy with a strong scientific foothold for continued growth."

"Andrews University provides an environment for learning that I have yet to see equaled anywhere. If you are looking for somewhere to escape distractions and get down to the business of learning this is the place for you. Retention and flow are significantly better resulting in immediate improvement in clinical skills and clinical reasoning."





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