# S3 - Advanced Evaluation & Manipulation of the Cranio Facial, Cervical and Upper Thoracic Spine

**Tuition:** \$795 (plus \$190 per credit hour if taken for graduate credit)

**Hours:** 27 or 2.7 CEUs or 2 graduate credits

**Prerequisite:** S1

Who Attends: Physical Therapists

This advanced spinal seminar begins with a brief review and update of anatomy, mechanics and pathology of dysfunction. The techniques in the S1 seminar are reviewed, and additional techniques, particularly those requiring a higher level of skill and decision-making are added. Special emphasis will be placed on the subcranial and mid cervical regions. Lectures and evaluation techniques will assist with the evaluation and treatment of cervical dysfunction including disc degeneration, spondylosis and myelopathy.

The utilization of biomechanical and anatomical principles for the enhancement of patient care through manipulation and exercise is emphasized as is the patients' role in their own welfare. Self help and exercise programs are instructed. Special emphasis is placed on the management of syndromes, and particular attention is paid to posture.

#### **Learning Outcomes:**

At the completion of this seminar, the attendee should be able to:

- conduct a comprehensive physical examination of the head, neck and upper thoracic regions
- discuss the mechanisms and characteristics of headache, neck and shoulder pain and the related patient behavior
- perform manipulations to the neck and upper thoracic spine, as well as mobilizations to the cranium
- discuss and present cases with spinal dysfunction
- describe the indication and contraindications of spinal manipulation
- discuss the role of therapeutic exercise and preventative measures in the management of spinal dysfunction, especially with regard to posture

DAY ONE	DAY TWO	DAY THREE	DAY FOUR
9:00 - 10:00 Welcome Opening Objectives	8:30 Review 9:00 - 10:00 Lab Manipulation	8:30 - 10:00 Lab Re-assess Manipulation	8:30 - 10:00 Lab - Review
10 AM BREAK	10 AM BREAK	10 AM BREAK	10 AM BREAK
10:15 - 12:00 Mid-Cervical - Anatomy, Biomechanics and Structure	10:15 -12:00 Subcranial Lecture	10:15 - 12:00 Manipulation	10:15 - 12:00 Syndromes Lecture
LUNCH HOUR	LUNCH HOUR	LUNCH HOUR	LUNCH HOUR
1:00 - 3:00 Lab Structure Active Movements	1:00 - 3:00 Lab Structure Active Movements	1:00 - 3:00 Thoracic Review, Thoracic Additions & Ribs	1:00 - 3:45 Syndromes Lecture/Lab
3 PM BREAK	3 PM BREAK	3 PM BREAK	
3:15 - 5:00 Palpation P.I.V.M. Lecture/Lab	3:15 - 5:30 Lab - P.I.V.M.	3:15 - 5:00 Lab - Cranium	

9/09

### Stanley V. Paris, Professor and Chairman, Board of Directors

Diploma - Physiotherapy New Zealand School of Physiotherapy, University of Otago

BIM British Institute of Management, New Zealand PhD Anatomy, Union Institute, Cincinnati, OH

FAAOMPT American Academy Orthopaedic Manipulative Physical Therapy

Dr. Paris is the coordinator of the manual therapy seminars and is Chairman, Board of Directors of the University of St. Augustine for Health Sciences. Dr. Paris graduated from the New Zealand School of Physiotherapy in 1958 and obtained his Ph.D. from the Union Institute in 1984. He is a fellow of the American Academy of Orthopaedic Manipulative Therapy and the American Physical Therapy Association and on the New Zealand Manual Therapy Association as well as the North American Spine Society. He was the first President of the Orthopaedic Section, APTA and he was President of IFOMT.

#### A. Russell Smith Jr., Assistant Professor

BSPT University Maryland at Baltimore, Baltimore, MD

MMSc Emory University, Atlanta, GA

EdD University of North Florida, Jacksovnille, FL
OCS Orthopaedic Specialty Council, ABPTS
MTC University of St. Augustine for Health Sciences

Dr. Smith graduated from the University of Maryland School of Physical Therapy in 1980 and completed the Institute of Physical Therapy's Certification program in 1986. He graduated from Emory University with a Masters of Medical Science degree in 1991. He graduated from the University of North Florida with a Doctor of Educational Leadership degree in 2004. He has been a Board Certified Specialist in Orthopaedic Physical Therapy since 1993. Currently, he is an Assistant Professor at the University of North Florida in Jacksonville, Florida and in private practice. Clinically, his special interests include the development of effective examination and treatment methods integrating soft tissue mobility, joint manipulation and motor learning. His academic interests include psychomotor learning, the facilitation of critical thinking skills and the effective use of technology.

## Jeffrey A. Rot, Assistant Professor

DHSc University of St. Augustine for Health Sciences, St. Augustine, FL

MPT Shenandoah University, Winchester, VA

OCS Board Certified Orthopaedic Specialist, ABPTS

MTC Institute of Physical Therapy

Dr. Rot graduated from Shenandoah University in 1993 with a Masters in Physical Therapy. He completed the Institute of Physical Therapy's Certification program in 1996. In 1997, he completed a one year orthopaedic/manual therapy residency program under the mentorship of Dr. Stanley V. Paris and Dr. Catherine Patla. Dr. Rot graduated from the University of St. Augustine for Health Sciences with a Doctor of Health Science degree in 2004. He is currently an Assistant Professor at the University of St Augustine with teaching responsibilities in; Spine Examination and Manipulation, Practicum III, Anatomy Dissection, and Anatomy Dry Lab.