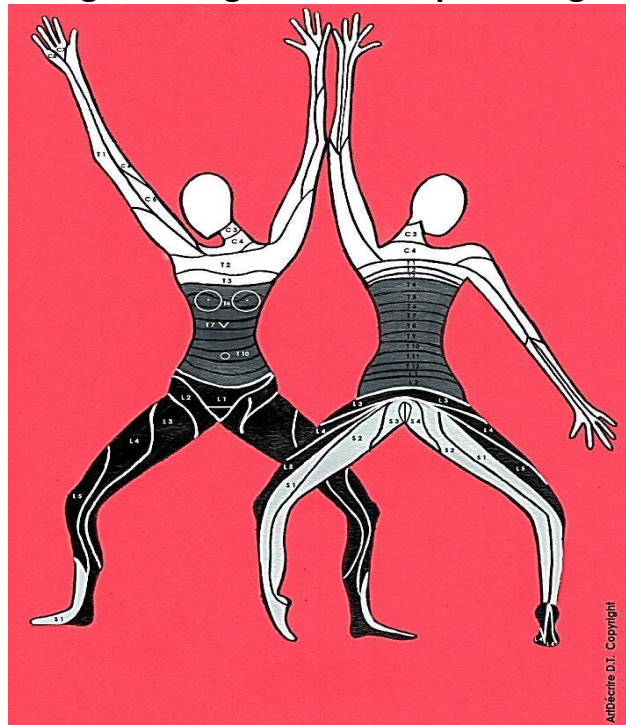


HAMBURGER DEGUM ADVANCED COURSES ULTRASOUND GUIDED REGIONAL ANAESTHESIA IN RUSSIA ARCHANGELSK, 13-14.02.2020



**Northern State Medical University
Arkhangelsk "Regional Development Agency"**



DEGUM/German Society of Ultrasound Medicine Certificate

Course Leader: Sergej Wagner, MD, DEGUM II Course Director, Germany

Instructor, Referent, Tutor: Dimitri Masjukow, MD, DEGUM I, Germany

Referent, Tutor: Ari Berkovitch, MD, France

Referent: Eduard Antipin, Assistant professor. Dep. Anesthesiology and Reanimatology Northern State Medical University, Phd., Chief physician of the Specialized Pain Management Clinic „Anesta”

Referent Dmitri A. Svirski, MD, PhD.

Referent: Uvarov Denis, Assistant professor. MD, PhD, Dep. Anesthesiology Northern State Medical University, Pain Management

Day 1. THURSDAY, 13.02.2020, Time: 08:30-19:30

08:30-08:45	Welcome/General Information	Dr. Wagner & Team
08:45-09:30	Basic Principles of Ultrasound Technology	Lecture: Dr. Wagner
09:30-10:00	Scanning Techniques, Different Modes, Image Optimization, Artifacts	Live scan: Dr. Wagner Dr. Masjukow
10:15-10:45	Hands-on	Scanning (models) Team
10:45-11:15	Ultrasound Anatomy: Tendon, Nerve, Muscle, Vessel, Bone, Air, Fluid	Lecture: Dr. Berkovitch
11:15-11:45	Hands-on (ultrasound anatomy)	Scanning (models): Team
11:45-12:00	COFFEE-BREAK	
12:00-12:30	Ultrasound guided regional anesthesia of upper limb (above clavicle, in our out of plane)	Lecture: Dr. Wagner Dr. Masjukow
12:30-13:00	Hands-on 30-minute rotations through 4 station: Brachial Plexus, Interscalene, Supraclavicular, Needle Guidance In/Out of Plane	Scanning (models and Blue or Chicken Phantoms): Team
13:00-14:00	LUNCH-BREAK	
14:00-14:30	Ultrasound guided regional anesthesia of upper limb (below clavicle), infraclavicular. axillar, forearm	Lecture: Dr. Wagner, Berkovitch, Masjukow
14:30-15:00	Hands-on (ultrasound anatomy)	Scanning (models): Team
15:00-15:30	Plexus cervicalis, Ultrasound Anatomy, Indication, Blocks	Lecture: Dr. Wagner
15:30-15:45	Plexus cervicalis	Scanning (models): Team
15:45-16:00	Interfascial Plane Blocks: Back to basics	Lecture: Dr. Wagner
16:00-16:30	Ultrasound guided regional anesthesia of torso: PECs I-II, BRILMA, Serratus A/P, Intercostal Blocks, etc.	
16:30-17:00	Hands-on (ultrasound anatomy)	Scanning (models): Team
17:00-17:15	COFFEE-BREAK	
17:15-18:00	Erector spine block (ESP) and other PSPB	Lecture: Dr. Wagner
18:00-18:15	Hands-on (ultrasound anatomy)	Team
18:15-19:00	Block Around the Clock	Free Station: Repeat what you need
19:00-19:30	Questions and Answers and Closure	Team

Day 2. FRIDAY, 14.02.2020. Time: 08:15-18:00

08:15-08:30	Welcome 2.day Information	Dr. Wagner & Team
8:30-10:00	Ultrasound guided regional anesthesia of lower limb anatomy and techniques, Concepts for surgery on the hip and knee. Psoas-compartment Block, Sciatic parasacral Block	Lecture: Dr. Wagner Dr. Masjukow
10:00-11:00	Femoral - 2 stations 30 min Sciatic - 2 stations 30 min	Scanning (models) Team
11:00-11:15	COFFEE-BREAK	
11:15-12:00	Ultrasound guided regional anesthesia of abdominal wall (TAP, QLB, Rectus Sheath, Ilio-inguinal/Iliohypogastric)	Lecture: Dr. Masjukow Dr. Wagner
12:00-13:15	4 stations 30 min. rotation: TAP, QLB, Rectus Sheath	Scanning (models): Team
13:15-14:00	LUNCH-BREAK	
14:00-14:30	Neuraxial Anesthesia: Spinal, Epidural Ultrasound Anatomy, Blocks	Lecture: Dr. Berkovitch
14:30-14:45	Paravertebral Block	Lecture: Dr. Masjukow
14:45-15:45	4 stations 15 min. rotation Spinal, Epidural, Paravertebral, Psoas-compartment	Scanning (models): Team
15:45-16:00	COFFEE-BREAK	
16:00-16:30	Complications in RA LA Intoxication Therapy	Lecture: Dr. Berkovitch
16:30-17:30	Block Around the Clock	Free Station: Repeat what you need
17:30-18:00	Workshop Evaluation and Certification	Team

Concept and idea: Arkhangelsk School of Ultrasound in Regional Anesthesia and Pain Medicine and DEGUM/German Society of Ultrasound Medicine

VENUE: Russian, Archangelsk, Regional Development Agency

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