FIRST WORLD CONGRESS
OF NEURAL MONITORING
IN THYROID AND PARATHYROID SURGERY
17 - 19 SEPTEMBER 2015, KRAKOW, POLAND

FINAL PROGRAM

Congress Venue: Audytorium Maximum UJ, 33 Krupnicza Street, Krakow

17 September 2015, Thursday				
Time	**Location**			
	Large Hall A+B	**Medium Hall A+B**	**Small Hall**	**Seminar Room**
08:00 – 10:00				**Instructional course (1)** **LARYNGOSCOPY HANDS ON STATIONS** **in cooperation with STORZ** **Chair: Gregory W. Randolph, USA** **Tutors: Camille Finck, Belgium** **George Mochloulis, UK** **Mohammed Abdulaziz Al-Shanbari, Saudi Arabia** **Davide Lombardi, Italy** **Dana Hartl, France** **1. Gregory W. Randolph (USA) AAO AND ATA LARYNGEAL GUIDELINES. 5min** **2. Camille Finck (Belgium) VOICE PRODUCTION. 10min** **3. Davide Lombardi (Italy) and Dana Hartl (France)** **A. MIRROR EXAM. 5min** **B. NASAL ANATOMY AND FIBEROPTIC EXAM TECHNIQUE. 5min** **4. All Tutors HANDS ON STATIONS. 90min**

10:00 – 10:30	**Coffee Break (Exhibition Room)**			
10:30 – 12:30				**<u>Instructional course (2)</u>** **LARYNGEAL ULTRASOUND HANDS ON STATIONS in cooperation with SAMSUNG** **Chairs: M. Dedecjus, Poland** **Tutors: Lisa Orloff, USA** **Barbara Miller, USA** **Kevin Brumund, USA** **1. Marek Dedecjus (Poland) INTRODUCTION TO VOCAL FOLDS US EXAM. 10min** **2. Kevin Brumund (USA) CLINICAL ANATOMY OF THE LARYNX. 10min** **3. Lisa Orloff (USA) LARYNGEAL DYSFUNCTION: AN OVERVIEW. 10min** **4. Barbara Miller (USA) TLUS vs. VLG: PEARLS AND PITFALLS. 10min** **5. All Tutors: INTERESTING CASES PRESENTATION AND ROUND TABLE DISCUSSION. 20min** **6. Marcin Ciesielski (Poland) SAMSUNG - EXPERIENCE A NEW HEALTHCARE SOLUTION. 5min** **7. All Tutors: HANDS ON STATIONS. 60min**
12:30 – 13:30	**Lunch Time (Exhibition Room)**			
13:30 – 15:30		**<u>Instructional course (3):</u> STANDARDIZED IONM TECHNIQUE: PART 1 (BASIC):15min each** **Chairs:** **Gianlorenzo Dionigi, Italy**	**<u>A Sattelite Symposium:</u> IONM IN NERVE-SPARING RECTAL CANCER SURGERY – CO-ORGANIZED BY THE POLISH CLUB OF COLOPROCTOLOGY: 20 min each**	

		Fen-Yu Chiang, Taiwan **Marcin Barczyński, Poland** **1. Marcin Barczyński (Poland) INTRODUCTION TO NERVE MONITORING PROGRAM** **2. Gianlorenzo Dionigi (Italy) FORMATS OF IONM, STANDARDS OF ANESTHESIA AND EQUIPMENT SETUP"** **3. Jerzy Walocha (Poland) SURGICAL ANATOMY OF THE RLN & EBLN** **4. Beata Wojtczak (Poland) RLN VARIATIONS AND MAPPING** **5. Paolo Carcofaro (Italy) TROUBLESHOOTING ALGORITHM** **6. Andre Potenza (Brazil) NORMATIVE EMG DATA OF THE RLN AND EBSLN** **7. Fen-Yu Chiang (Taiwan) LOSS OF SIGNAL AND STAGED THYROIDECTOMY** **8. Marcin Barczyński (Poland) EBSLN MONITORING – HOW I DO IT**	**Chairs:** **Zbigniew Lorenc, Poland** **Piotr Wałęga, Poland** **1. Zbignie Lorenc (Poland) IONM IN RECTRAL CANCER SURGERY: WHY DO WE NEED IT?** **2. Piotr Wałęga (Poland) IONM IN IMPROVING FUNCTIONAL OUTCOMES OF RECTAL CANCER SURGERY – EVIDENCE-BASE AND HOW I DO IT** **3.** (63) Romaniszyn Michał, Wałęga Piotr, Świrta Jarosław. INTRAOPERATIVE NEUROMONITORING IN PELVIC SURGERY - FIRST USING IN POLAND. **4. Michał Romaniszyn (Poland) PLAN AND PERFORM ELECTROMYOGRAPHY AND ELECTRICAL STIMULATION AS AID IN GRACILOPLASTY PROCEDURE** **5. Discussion**	
15:30 – 16:00	**Coffee Break (Exhibition Room)**			
16:00 – 18:00		**<u>Instructional course (4):</u> STANDARDIZED IONM TECHNIQUE: PART 2 (ADVANCED)** **Chairs:** **Henning Dralle, Germany** **Gregory W. Randolph, USA** **1. Henning Dralle (Germany) RATIONALE FOR C-IONM. 20min** **2. Gianlorenzo Dionigi (Italy) VAGAL NERVE DISSECTION FOR C-IONM. 20min** **3. Overview of c-IONM electrodes, 10min**	**<u>Instructional course (5):</u> STANDARDS OF ANESTHESIA FOR IONM" (FOR ANESTHETISTS)** **Chairs:** **Marta Banach, Germany** **Alessandro Bacuzzi, Italy** **Anna Starczewska, Poland** **1. Marta Banach (Germany) STANDARDIZED APPROACH TO VOLATILE VS. INTRAVENOUS**	

		each: Medtronic electrode – Kerstin Lorenz (Germany) Inomed electrode – Thomas Musholt (Germany) Langer electrode – Sam Van Slycke (Belgium) 4. Gregory W. Randolph (USA) INTERPRETATION OF C-IONM DATA. 20min 5. Christoph Ulmer (Germany) SAFETY OF C-IONM. 20min	ANAESTHESIA FOR IONM - PROS AND CONS: How I do it in Halle. 20min 2. Alessandro Bacuzzi Italy) DIRECT LARNGOSCOPY VS. VIDEOLARYNGOSCOPY INTUBATION: How I do it in Varese. 20min 3. Anna Starczewska (Poland)EMG TUBE POSITIONING AND VERIFICATION TESTS: How I do it in Wroclaw. 20min 4. All Speakers: ROUND TABLE DISCUSSION. 20min	
18:00 – 18:15	Coffee Break (Exhibition Room)			
18:15 – 19:15	OPENING CEREMONY WELCOME FROM THE STEERING COMMITTEE OF THE INMSG: Marcin Barczyński, Poland Feng-Yu Chiang, Taiwan Gianlorenzo Dionigi, Italy Henning Dralle, Germany Gregory W. Randolph, USA Introductory lecture: (15min) INTERNATIONAL NEURAL MONITORING STUDY GROUP Gregory W. Randolph, USA Key-note lecture 1: (30min) THE QUANTUM LEAP OF ELECTROPHYSIOLOGIC NERVE			

	MONITORING IN THYROID SURGERY Henning Dralle, Germany			
19:15 – 19:45	Marcin Wyrostek COLORIAGE Music Band Show			
20:00 – 22:00	Welcome Reception Given by the Mayor of the City of Krakow, Town Hall, 3/4 Plac Wszystkich Świętych			
18 September 2015, Friday				
Time	Location			
	Large Hall A	Medium Hall A+B	Small Hall	
07:15 – 07:45	Basic definitions in IONM (30min) INTRAOPERATIVE NEURAL MONITORING IN A PILL Rick Schneider, Germany			
07:45 – 08:00	Coffee Break (Exhibition Room)			
08:00 – 08:30	Key-note lecture 2: (30min) LARYNX, VOICE AND IONM – AN ELECTOPHYSIOLOGIC PERSPECTIVE Gregory W. Randolph, USA	Protected time slot	Protected time slot	
08:30 – 09:00	Key-note lecture 3: (30min) COST-EFFECTIVENESS ANALYSIS OF IONM IN THYROID SURGERY Gianlorenzo Dionigi, Italy	Protected time slot	Protected time slot	
09:00 – 09:30	Coffee Break and a Poster Walk (Exhibition Room)			
09:30 – 11:30	Panel 1: (6min each) AROUND THE WORLD WITH IONM Moderator: Marcin Barczyński, Poland Panelists: Claudio Cernea (Brasil), Gianlorenzo	Protected time slot	Protected time slot	

	Dionigi (Italy), Fausto Palazzo (UK), Woongyoun Chung (South Korea), Manuel Duran Poveda (Spain), Fen-Yu Chiang (Taiwan), Rajab Alzaharani (Saudi Arabia), Mike Singer (USA), **1. Europe:** **Rick Schneider, Germany** **Laurent Brunaud, France** **Gianlorenzo Dionigi, Italy** **Marcin Barczyński, Poland** **Manuel Duran Poveda, Spain** **Anders Bergenfelz, Sweden** **Fausto Palazzo, UK** **2. North America:** **Mike Singer, USA** **3. South America :** **Erivelto Volpi, Brasil** **Juan Pablo Duenas Munoz, Columbia** **5. Asia:** **Akira Miyauchi, Japan** **Kewei Jiang, China** **Woongyoun Chung, South Korea** **Che-Wei Wu, Taiwan** **6. Middle East:** **Özer Makay, Turkey** **Rajab Alzaharani, Saudi Arabia** **7. Australia:** **Jonathan Serpell, Australia**		
11:30 – 12:30	**<u>Mini-symposium 1: (15min each)</u>**	**<u>Oral Paper Session 1 – Best Abstracts (1-6)</u>** **Chairs: Akira Miyauchi (Japan), Maurizio Iacobone**	**<u>Mini-symposium 2: (15min each)</u>** **ALL YOU NEED TO KNOW ABOUT VAGAL NERVE**

	IONM IN ENDOSCOPIC THYROIDECTOMY **Moderator: Hoon Yub Kim, South Korea** **Panelists: Laurent Brunaud (France), Celestino Pio Lombardi (Italy), David Terris (USA), Su-jin Kim (South Korea), Barney Harrison (UK), Martin Walz (Germany)** **1. Hoon Yub Kim (South Korea) ROBOTIC BABA THYROIDECTOMY WITH IONM – HOW I DO IT** **2. Woung-Youn Chung (South Korea) ROBOTIC TRANSAXILLARY THYROIDECTOMY – HOW I DO IT** **3. Laurent Brunaud (France) ROBOTIC TRANSAXILLARY THYROIDECTOMY WITH IONM – WHY I DO IT IN EUROPE** **4. Celestino Pio Lombardi (Italy) MIVAT WITH IONM**	**(Italy), Richard Wong (USA), Mohammed Garni (KSA)** (57) Stopa Małgorzata, Barczyński Marcin PROGNOSTIC VALUE OF INTRAOPERATIVE NEURAL MONITORING OF THE RECURRENT LARYNGEAL NERVE IN THYROID SURGERY. (18) Wu Che-Wei, Dionigi Gianlorenzo , Tufano Ralph , Liu Xiaoli , Sun Hui , Kim Hoon Yub, Chiang Feng-Yu. RLN INJURY WITH INCOMPLETE LOSS OF EMG SIGNAL DURING MONITORED THYROIDECTOMY– EVALUATION AND OUTCOME. (11) Chai Young Jun, Wu Che-Wei, Park Kyung Sik, Dionigi Gianlorenzo , Chiang Feng-Yu, Liu Xiaoli , Randolph Gregory, Kim Hoon Yub. RECURRENT LARYNGEAL NERVE SAFETY PARAMETERS OF THE HARMONIC FOCUS® DURING THYROID SURGERY : AN EXPERIMENTAL PORCINE MODEL USING CONTINUOUS ELECTROPHYSIOLOGIC VAGAL MONITORING. (128) Babinska Dominika, Barczyński Marcin , Osęka Tomasz, Śledziński Maciej, Łachiński Andrzej. COMPARISON OF PERIOPERATIVE STRESS IN PATIENTS UNDERGOING THYROID SURGERY WITH AND WITHOUT NEUROMONITORING – A PILOT STUDY. (13) Kim Hong Kyu, Lee Hye Yoon, Kim Hoon Yub, Kwak Hee Yong, Jung Seung Pil, Woo Sang Uk, Son Gil Soo, Lee Jae Bok, Bae Jeoung Won. THE EFFICACY OF INTRAOPERATIVE NEUROMONITORING (IONM) DURING ROBOTIC THYROIDECTOMY: PROSPECTIVE, RANDOMIZED CASE-CONTROL EVALUATION. (42) Wojtczak Beata, Sutkowski Krzysztof, Kaliszewski Krzysztof, Głód Mateusz, Barczyński Marcin. EXPERIENCE WITH INTRAOPERATIVE NEUROMONITORING OF THE RECURRENT LARYNGEAL NERVE IMPROVES SURGICAL SKILLS AND OUTCOMES OF NON-MONITORED THYROIDECTOMY.	**DISSECTION** **Moderators: Gianlorenzo Dionigi (Italy)** **Panelists: Claudio Cernea (Brasil), Aleksander Konturek (Poland), Davide Lombardi (Italy), Paolo Carcoforo (Italy)** **1. Aleksander Konturek (Poland) EMBRIOLOGY AND ANATOMY OF THE VAGUS NERVE** **2. Gianlorenzo Dionigi (Italy) SURGICAL APPROACHES TO VAGAL NERVE FOR C-IONM** **3. Christoph Ulmer (Germany) SAFETY OF VAGAL NERVE DISSECTION AND C-IONM** **Discussion 15min**
12:30 – 13:30	**<u>Lunch Time & Meet the Professor:</u> Hanning Dralle, Gregory W. Randolph, Feng-Yu Chiang, Gianlorenzo Dionigi and Marcin Barczyński (Exhibition Room)**		
13:30 – 14:30	**<u>SPONSOR SESSION</u> (Large Hall A)**		

	Dr. Langer: Andreas Langer, Germany "Continuous recurrent nerve monitoring in thyroid surgery - the story of Avalanche®" 5min **Inomed: Rudi Mattmueller, Damir Pfau, Germany "IOM in General and Visceral Surgery – the complete solution" 18min** **Medtronic: Gianlorenzo Dionigi, Italy "Energy based devices and intraoperative neuromonitoring: two complementary devices" 30min**		
14:30 – 16:00	**Panel 2: (15min each)** **INTERMITTED IONM – EVIDENCE BASED PERSPECTIVE** **Moderator: Gianlorenzo Dionigi, Italy** **Panelists: Barney Harrison (UK), Feng-Yu Chiang (Taiwan), Kerstin Lorenz (Germany), Marcin Barczyński (Poland), Juan Pablo Duenas (Columbia), Ralph Tufano (USA), Maria Grazia Chiofalo (Italy)** **1. Barney Harrison (UK) CRITICAL APPRAISAL** **2. Feng-Yu Chiang (Taiwan) STANDARDIZED APPROACH TO RLN MONITORING** **3. Kerstin Lorenz (Germany) NORMATIVE EMG DATA OF VAGUS AND RLN** **4. Juan Pablo Duenas (Columbia) ADVANTAGES AND DISADVANTAGES OF ROUTINE I-IONM UTILIZATION DURING THYROIDECTOMY** **5. Ralph Tufano (USA) I-IONM IN T3-T4 THYROID CANCER WITH TRACHEA RESECTION** **6. Marcin Barczyński (Poland) I-IONM IN REOPERATIVE THYROID SURGERY**	**Video Session 1 (1-8): 10min each** **Chairs: Martin Walz (Germany), Jonathan Serpell (Australia), Krzysztof Kuzdak (Poland)** (88) MASUOKA HIROO, MIYAUCHI AKIRA, YABUTA TOMONORI, HIGASHIYAMA TAKUYA, NAKAYAMA AYAKO. INNERVATION OF THE CRICOTHYROID MUSCLE BY EXTRALARYNGEAL BRANCHES OF THE RECURRENT LARYNGEAL NERVE. (76) Dionigi Gianlorenzo, Kim HY, Pappalardo Vincenzo, Lavzza Matteo, Leotta Andrea, Ferrari Cesare, Rovera Francesca, Rausei Stefano, Boni Luigi, Barczynski Marcin, Randolph GW. EARLY AND DEFINITE IDENTIFICATION OF THE RECURRENT LARYNGEAL NERVE (RLN) BY MEANS OF IONM. (58) Wojtczak Beata, Sutkowski Krzysztof, Kaliszewski Krzysztof, Głód Mateusz , Knychalski Bartłomiej, Barczyński Marcin. UTILIZATION OF NEUROMONITORING IN SECONDARY SURGICAL PROCEDURES ON THYROID GLAND. (67) Dralle Henning, Phoung Nguyen Thanh. IMPACT OF INTRAOPERATIVE NERVE MONITORING ON TOTAL THYROIDECTOMY AND CENTRAL COMPARTMENT DISSECTION IN NODE-POSITIVE, ORGAN CAPSULE INVASIVE PAPILLARY THYROID CANCER. (101) Kim Hong Kyu, Kim Hoon Yub, Kwak Hee Yong, Lee Hye Yoon, Jung Seung Pil, Woo Sang Uk, Son Gil Soo, Lee Jae Bok, Bae Jeoung Won. ROBOTIC THYROIDECTOMY WITH CONTINUOUS INTRAOPERATIVE NEUROMONITORING (C-IONM). (124) Van Slycke Sam, Van Den Heede Klaas, Brusselaers Nele, Vermeersch Hubert. VIDEO: HOW TO DETECT A NON-RECURRENT LARYNGEAL NERVE DURING THYROID SURGERY WITH THE USE OF INTRA-OPERATIVE	**Oral Paper Session 2 (7-15): 10min each** **Chairs: Maurizio Iacobone (Italy), Manuel Duran Poveda (Spain), Andre Potenza (Brasil)** (5) Liu Jia, Dong Su, Chen Guang COMPARISON OF PROPOFOL AND SEVOFLURANE ANESTHESIA DURING THYROID AND PARATHYROID SURGERY WITH ELECTROPHYSIOLOGIC RECURRENT LARYNGEAL NERVE MONITORING. (29) Brauckhoff Katrin, Husby Paul, Aas Turid ANALYSIS OF EMG CHANGES IN CONTINUOUS INTRAOPERATIVE NEUROMONITORING : TRACTION INJURIES OF THE RECURRENT LARYNGEAL NERV IN PIGS. (106) Kim Hoon Yub , Tufano Ralph, Randolph Gregory , Barczynski Marcin , Wu Che-Wei , Chiang Feng-Yu , Liu Xiaoli , Masuoka Hiroo , Miyauchi Akira , Park Soo Young , Kwak Hee Yong , Lee Hye Yoon , Dioni Gianlorenzo. AMPLITUDE AND LATENCY PROFILE DURING NIM TRIVANTAGE EMG TUBE POSITION MODIFICATION. (116) ULUDAG MEHMET, AYGUN NURCIHAN, ISGOR ADNAN. RECURRENT LARYNGEAL NERVE'S MOTOR FUNCTION: SOMETIMES MOTOR FIBERS MAY ALSO BE LOCATED IN THE POSTERIOR BRANCH. (12) Kim Hong Kyu , Kwak Hee Yong, Kim Hoon Yub, Lee Hye Yoon, Jung Seung Pil, Woo Sang Uk, Son Gil Soo, Lee Jae Bok, Kim Jeong Soo, Bae Jeoung Won. THERMAL INJURY OF RECURRENT LARYNGEAL NERVE BY THUNDERBEAT DURING THYROID SURGERY: PRELIMINARY RESULTS USING CONTINUOUS INTRAOPERATIVE NEUROMONITORING IN A PORCINE MODEL.

		NEUROMONITORING. (107) Ban Eun Jeong, Kim Min Jhi, Choi JungBum, Kim Taehyung, Lee Seul Gi , Lee Cho Rok , Kang Sang Wook , Lee Jandee , Jeong Jong Ju , Nam Kee-Hyun , Chung Woong Youn , Park Cheong Soo. INITIAL EXPERIENCE WITH NEUROMONITORING IN ROBOTIC THYROIDECTOMY USING A GASLESS TRANSAXILLARY APPROACH. (117) Romanchishen Anatoly, Romanchishen Filipp , Vabalayte Kristina , Knayzeva Polina. VALUE OF INTRAOPERATIVE RECURRENT LARYNGEAL NERVE MONITOR DURING REPEATED THYROID AND PARATHYROID SURGERIES.	(14) Kim Hong Kyu, Lee Hye Yoon, Kim Hoon Yub, Kwak Hee Yong, Jung Seung Pil, Woo Sang Uk, Son Gil Soo, Lee Jae Bok, Bae Jeoung Won. THERMAL INJURY OF RECURRENT LARYNGEAL NERVE BY ULTRASONIC DEVICES DURING THYROID SURGERY: RESULTS USING CONTINUOUS INTRAOPERATIVE NEUROMONITORING IN A PORCINE MODEL. (28) Masuoka Hiroo, Miyauchi Akira, Yabuta Tomonori, Higashiyama Takuya, Fukushima Mitsuhiro, Ito Yasuhiro, Kobayashi Kaoru, Kihara Minoru, Miya Akihiro. RELATIONSHIP BETWEEN THE ELECTROPHYSIOLOGICAL RESPONSE OF THE RECURRENT LARYNGEAL NERVE INVOLVED BY THYROID CANCER AND THE EXTENT OF NEURAL INVASION. (52) Wojtczak Beata, Kaliszewski Krzysztof, Sutkowski Krzysztof, Głód Mateusz, Barczyński Marcin. THE LEARNING CURVE FOR INTRAOPERATIVE RECURRENT LARYNGEAL NERVE NEUROMONITORING IN THYROID SURGERY. (138) Puram Sidharth , Chow Harold, Wu Che-Wei , Heaton James, Gorti Goutham, Feng-Yu Chiang, Dionigi Gianlorenzo, Barczyński Marcin, Dralle Henning, Schneider Rick, lorenz kerstin, kamani dipti, Randolph Gregory. POST-CRICOID ELECTROPHYSIOLOGIC CHANGES PREDICTING VOCAL CORD PARALYSIS ASSOCIATED WITH RECURRENT LARYNGEAL NERVE COMPRESSIVE INJURY IN A CANINE MODEL.
16:00 – 16:30	**Coffee Break and a Poster Walk (Exhibition Room)**		
16:30 – 18:00	**<u>Panel 3: (15min each)</u>** **CONTINEOUS IONM – EVIDENCE BASED PERSPECTIVE** **Moderator: Henning Dralle, Germany** **Panelists: Claudio Cernea (Brasil), Rick Schneider (Germany), Kerstin Lorenz (Germany), Dipti Kamani (USA), Andre Potenza (USA), Niranjan Sritharan**	**<u>Video-session 2 (9-16): 10min each</u>** **Chairs: Chiang Feng-Yu (Taiwan), Fausto Palazzo (UK), Jacek Gawrychowski (Poland)** (73) Dionigi Gianlorenzo, Kim HY, Wu CW, Ferrari Cesare, Leotta Andrea, Pappalardo Vincenzo, Spampatti Sebastiano, Rovera Francesca, Rausei Stefano, Boni Luigi, Randolph GW. AUTOMATIC PERIODIC	**<u>Oral Paper Session 3 (16-24): 10min each</u>** **Chairs: William Duke(USA), Lech Pomorski (Poland), Rumen Pandev (Bulgaria)** (104) Dionigi Gianlorenzo, Kim Hoon Yub, Randolph Gregory W. , Wu Chei-Wei , Hui Sun , Xiaoli Liu, Barczynski Marcin , Chiang Feng-Yu. PROSPECTIVE VALIDATION STUDY OF CERNEA

	(USA), Barney Harrison (UK), Gregory W, Randolph (USA) **1. Kerstin Lorenz (Germany) BASELINE CHARACTERISTICS** **2. Rick Schneider, Henning Dralle (Germany) COMBINED EVENTS FOR C-IONM** **3. Gianlorenzo Dionigi (Italy) AMPLITUDE AND LATENCY PROFILE WHILE EMG TUBE POSITION MODIFICATION IN C-IONM** **4. Che-Wei Wu (Taiwan) WHAT WE CAN LEARN ABOUT C-IONM FROM ANIMAL STUDIES- AN OVERVIEW** **5. Claudio Cernea (Brasil) FUTURE PERSPECTIVES FOR C-IONM**	STIMULATING (APS) ACCESSORY INSTALLATION: SCHEMA TECHNIQUE INTENDED TO CONTROL ANY ADVERSE EVENT IN THE DISSECTION OF VAGAL NERVE AND SUBSEQUENT ELECTRODE POSITIONING. (68) Chiang Feng-Yu. STIMULATING DISSECTING INSTRUMENTS DURING NEUROMONITORING. (60) Wojtczak Beata, Kaliszewski Krzysztof, Sutkowski Krzysztof, Głód Mateusz, Forkasiewicz Zdzisław, Barczyński Marcin. RECURRENT LARYNGEAL NERVE BRANCHING IN THE THYROID SURGERY WITH INTRAOPERATIVE NEUROMONITORING. (93) Chiofalo Maria Grazia, Tartaglia Tullio, Marone Ugo, Ionna Franco , Longo Francesco , Pavone Ettore, Benedetto Lucia, Pezzullo Luciano. CONTINOUS INTRAOPERATIVE NERVE MONITORING IN A PATIENT WITH RECURRENT/PERSISTENT DIFFERENTIATED THYROID CANCER AND PREOPERATIVE VOCAL CORD PARALYSIS. (102) Kim Hong Kyu, Kim Hoon Yub, Kwak Hee Yong, Lee Hye Yoon, Jung Seung Pil, Woo Sang Uk, Son Gil Soo, Lee Jae Bok, Bae Jeoung Won. ROBOTIC THYROIDECTOMY WITH INTERMITTENT INTRAOPERATIVE NEUROMONITORING (I-IONM). (61) Wojtczak Beata, Kaliszewski Krzysztof, Sutkowski Krzysztof , Głód Mateusz, Kuźmiński Adam , Barczyński Marcin. LARYNGEAL ENTRY POINT OF RECURRENT LARYNGEAL NERVE— POTENTIAL LOCATION OF INJURY. (74) Dionigi Gianlorenzo, Kim HY, Wu CW, Ferrari Cesare, Leotta Andrea, Pappalardo Vincenzo, Lavazza Matteo, Spampatti Sebastiano, Rovera Francesca, Rausei Stefano, Boni Luigi. EXTERNAL BRANCH OF THE SUPERIOR LARYNGEAL NERVE MONITORING. (125) Van Slycke Sam, Van Den Heede Klaas, Brusselaers Nele, Vermeersch Hubert. VIDEO: NEW PLACEMENT OF ACQUISITION ELECTRODES ON THE THYROID CARTILAGE IN INTRA-OPERATIVE NEUROMONITORING DURING THYROID SURGERY.	CLASSIFICATION IN PREDICTING EMG ALTERATIONS OF EXTERNAL BRANCH OF THE SUPERIOR LARYNGEAL NERVE DURING SUPERIOR THYROID ARTERY DISSECTION AND LIGATION. (115) ULUDAG MEHMET, AYGUN NURCIHAN, ISGOR ADNAN INNERVATION OF THE HUMAN CRICOPHARYNGEAL MUSCLE BY THE RECURRENT LARYNGEAL NERVE AND THE EXTERNAL BRANCH OF THE SUPERIOR LARYNGEAL NERVE. (119) ULUDAG MEHMET, AYGUN NURCIHAN, BESLER EVREN, ISGOR ADNAN. THE INNERVATION PATTERN OF THE CRICOTHYROID MUSCLE. (143) Keseroglu Kemal, Bayir Omer, Umay Karaca Ebru, Saylam Guleser, Cadalli Tatar Emel, Ozdek Ali, Korkmaz Mehmet Hakan. LARYNGEAL ELECTROMYOGRAPHIC REALITIES IN POSTTHYROIDECTOMY PATIENTS WITH NORMAL VOCAL CORD MOBILITY. (120) ULUDAG MEHMET, AYGUN NURCIHAN, BESLER EVREN, ISGOR ADNAN. IS INTRAOPERATIVE NEURAL MONITORING NECESSARY FOR THE EXPLORATION OF THE SUPERIOR LARYNGEAL NERVE. (109) Vik Renate, Sandvik Lorentz, Brauckhoff Katrin, Hilland Magnus, Karlsen Tom, Lindtjørn Bernt, Aas Turid, Heimdal John Helge. BENIGN GOITER SURGERY IN NORWAY : ANALYSIS OF ELECTROMYOGRAPHIC SIGNAL CHANGES AND VOICE QUALITY IN HEMITHYREOIDECTOMIES. (97) Lee Kijeong, Kang Sunghoon, Kwon Soon-Young, Cho Jea-Gu, Woo Jeong-Soo , Jung Kwang-Yoon, Baek Seung-Kuk. THE EFFICIENCY OF LARYNGEAL ELECTROMYOGRAPHY TUBE DURING THYROIDECTOMY ON VOICE OUTCOME. (6) XUE SHUAI, Liu Jia, CHEN GUANG. CLINICAL APPLICATION OF THE RECURRENT LARYNGEAL NERVE MONITORING IN MICOLLI OPERATION

			(81) Lavazza Matteo, Rausei Stefano, Rovera Francesca, Leotta Andrea, Mangano Alberto, Ferrari Cesare Carlo, Inversini Davide, Spampatti Sebastiano, Frattini Francesco, Annoni Matteo, boni Luigi, Dioni Gianlorenzo. INTRAOPERATIVE NERVE MONITORING (IONM) OF RECURRENT LARYNGEAL NERVE. COMPARISON BETWEEN THYROIDECTOMY WITHOUT IONM, WITH INTERMITTENT (I¬IONM) AND WITH CONTINUOUS NEUROMONITORING (C¬IONM).
20:00 – 23:00	**Gala Dinner** **Art Gallery of the Polish Paintings of the 19th Century, 1/3 Rynek Główny**		
19 September 2015, Saturday			
Time	**Location**		
	Large Hall A	**Medium Hall A+B**	**Small Hall**
08:15 – 10:00	**Panel 4: (15min each)** **LOSS OF SIGNAL AND STAGED THYROIDECTOMY** **Moderator: Gregory W. Randolph, USA** **Panelists: Henning Dralle (Germany), Peter Goretzki (Germany), Gianlorenzo Dionigi (Italy), Akira Miyauchi (Japan), Claudio Cernea (Brasil), Quan-Yang Duh (USA), Gayle Woodson (USA), Per Mattson (Sweden)** **1. Gianlorenzo Dionigi (Italy)** STAGE THYROIDECTOMY - HISTORICAL OVERVIEW **2. Gregory W. Randolph (USA)** DEFINITIONS OF LOSS OF SIGNAL AND THE CONCEPT OF TRAUMA OVER TIME **3. Peter Goretzki (Germany)** ADVANTAGES OF STAGED THYROIDECTOMY **4. Alicja Hubalewska-Dydejczyk (Poland)** ALTERNATIVE NON-SURGICAL TREATMENT IN STAGED THYROIDECTOMY – ENDOCRINOLOGIST POINT OF VIEW	**Oral Paper Session 4 (25-35): 10min each** **Chairs: Jean Louis Kraimps (France), Lisa Orloff (USA), Ireneusz Nawrot (Poland)** (80) Ferrari Cesare Carlo, Dionigi Gianlorenzo, Wu Che-Wei, Lavazza Matteo, Leotta Andrea, Mangano Alberto, Chiang Feng Yu. RECURRENT LARYNGEAL NERVE INJURY IN THYROID SURGERY: CLINICAL PATHWAYS AND RESOURCES. (99) Makay Ozer, Uludag Mehmet, Soyder Aykut, Teksoz Serkan, Sezer Atakan, Senyurek Giles Yasemin, for the Turkish National Neuromonitoring Study Group. LOSS OF SIGNAL DURING THYROID SURGERY: PRELIMINARY RESULTS OF AN ON-GOING PROSPECTIVE STUDY. (105) Mangano Alberto, Dionigi Gianlorenzo, Lavazza Matteo, Rausei Stefano, Rovera Francesca, Leotta Andrea, Ferrari Cesare Carlo, Inversini Devide, Spampatti Sebastiano, Frattini Francesco, Annoni Matteo, Boni Luigi. STAGE-THYROIDECTOMY: SINGLE INSTITUTION PERSPECTIVE. (121) Béchu Maren, Lauzana Ester, Klein Sabine,	**Oral Paper Session 5 (36-45): 10min each** **Chairs: Erivelto Volpi (Brasil), Rajab Alzaharani (Saudi Arabia), Marek Dedecjus (Poland)** (131) Dedecjus Marek, Jacek Dadan, Czubek Jacek , Leksowski Krzystof, Gawrychowski Jacek, Chybicki Janusz, Wolff Wojciech, Kurek Jozef, Gluszek Stanisaw, Zielinski Andrzej, Kuzdak Krysztof, Kusinski Michał, Pichurski Janusz, Skrobisz Jerzy, Kabza Adam, Pragacz Krzysztof, Kalicinski Piotr , Polnik Dariusz, Group NM-C2. NM-C2 GROUP – THE FIRST STEP – ANALYSIS OF THE PRESENT STATUS OF IONM PROCEDURES. (137) Steck Jose Higino, Stabenow Elaine, Volpi Erivelto Martinho. HOW MUCH CONTINUOUS INTRAOPERATIVE NEUROMONITORING IN THYROID SURGERY REDUCE THE RISK OF RECURRENT LARYNGEAL NERVE INJURY? (41) Bacuzzi Alessandro, Guzzetti Luca, Marcato Anna, Del Bosco Andrea, Bulgheroni Rosella, Cantone Giovanni, Dionigi Gianlorenzo, Cuffari Salvatore. THE ANAESTHESIOLOGICAL APPROACH

	5. Per Mattsson (Sweden) REGENERATIVE POTENTIAL OF THE RLN **6. Akira Miyauchi (Japan)** SURGICAL RLN RECONSTRUCTION	Rashid Noor Isra Heryantee, Kahle Erich , Meyding-Lamadé Uta, Köhler Peter, Lamadé Wolfram. DIFFERENT VULNERABILITY OF LEFT AND RIGHT RECURRENT LARYNGEAL NERVE UNDER TENSILE STRESS IN A PORCINE MODEL. (22) Zhang Daqi, Wu Che-Wei, Ii Fang, Chiang Feng-Yu, liu Xiaoli, Sun Hui. PERCUTANEOUS PROBE STIMULATION FOR INTRAOPERATIVE NEUROMONITORING IN TOTAL ENDOSCOPIC THYROIDECTOMY: A PRELIMINARY EXPERIENCE. (25) Kim Hong Kyu, Kwak Hee Yong, Kim Hoon Yub, Lee Hye Yoon, Jung Seung Pil, Woo Sang Uk, Son Gil Soo, Lee Jae Bok, Kim Jeong Soo, Bae Jeoung Won. THERMAL INJURY OF RECURRENT LARYNGEAL NERVE BY SALINE IRRIGATION DURING THYROID SURGERY: RESULTS USING CONTINUOUS INTRAOPERATIVE NEUROMONITORING IN A PORCINE MODEL. (30) Liu Xiaoli, Wu Che-Wei, Chiang Feng-Yu , Wang Tie, Zhao Yishen, Li Shijie, Chen Peng, Sun Hui. THE CHANGE OF EMG AMPLITUDE AND LATENCY DURING AND AFTER ACUTE RLN TRACTION STRESS WITH THE APPLICATION OF C-IONM IN A SWINE MODEL. (7) XUE SHUAI, LIU JIA, CHEN GUANG. CLINICAL APPLICATION OF THE RECURRENT LARYNGEAL NERVE MONITORING IN THYROID REOPERATION. (70) Mangano Alberto, Dionigi Gianlorenzo, Kim Hoon Yub, Wu Che-Wei, Ferrari Cesare, Leotta Andrea, Lavazza Matteo, Inversini Davide, Chiang Feng-Yu. VESSEL SEALING SYSTEM (VSS) SAFETY AROUND THE RECURRENT LARYNGEAL NERVE (RLN). (79) Dionigi Gianlorenzo, Kim Hoon Yub, Wu Che-Wei, Ferrari Cesare, Lavazza Matteo, Leotta Andrea, Mangano Alberto, Chiang Feng Yu. C-IONM IN THYROID SURGERY: SAFETY ANALYSIS OF 400 CONSECUTIVE ELECTRODE PROBE PLACEMENTS. (82) Dionigi Gianlorenzo, Kim Hoon Yub, Wu Che-Wei, Leotta Andrea, Ferrari Cesare Carlo, Lavazza Matteo, Mangano Alberto, Chiang Feng-Yu. PREDICTORS OF FAILURE OF PLANNED TOTAL THYROIDECTOMY. THE	DURING NEUROMONITORING IN THYROID SURGERY; THE UNIVERSITY HOSPITAL VARESE (ITALY) EXPERIENCE. (23) Makarin Viktor, Semenov Arseniy, Chernikov Roman, Slepcov Ilya, Chinchuk Igor, Uspenskaya Anna, Karelina Ulia, Novokshonov Konstantin, Timofeeva Nataly, Fedorov Elisey, Molugov Yuriy, Rusakov Vladimir, Valdina Elena, Fedotov Yuriy, Bubnov Aleksandr. SURGEON-PERFORMED TRANSCUTANEOUS VOCAL CORD ULTRASONOGRAPHY IN VOCAL CORD EXAMINATION BEFORE AND AFTER THYROIDECTOMY. (148) Makarin Viktor, Semenov Arseny, Timofeeva Nataly, Sleptsov Ilya, Chernikov Roman, Chinchuk Igor, Fedorov Elisey, Novokshonov Konstantin, Uspenskaya Anna, Karelina Ulia, Bubnov Alexandr. USE OF ULTRASOUND DOPPLEROGRAPHY IN VISUALIZATION OF VOCAL CORDS PARESES. (149) Konturek Aleksander, Barczyński Marcin, Stopa Małgorzata, Nowak Wojciech. TWO-STAGE THYROIDECTOMY – THE CLINICAL VALUE OF INTRAOPERATIVE NEUROMONITORING DURING BILATERAL THYROID SURGERY. (83) Dionigi Gianlorenzo, Lombardi Davide, Lombardi Celestino Pio, Carcoforo Paolo , Boniardi Marco, Innaro Nadia, Chiofalo Maria Grazia , Cavicchi Ottavio , Biondi Antonio , Basile Francesco, Zaccaroni Angelo , Magano Alberto , Lavazza Matteo , Leotta Andrea , Calò Pietro Giorgio , Nicolosi Angelo , Castelnuovo Paolo , Nicolai Piero , Pezzullo Luciano , De Toma Giorgio, Bellantone Rocco, Sacco Rosario. INTRAOPERATIVE NEUROMONITORING IN THYROID SURGERY: A POINT PREVALENCE SURVEY ON UTILIZATION, MANAGEMENT AND DOCUMENTATION IN ITALY. (112) ULUDAG MEHMET, BESLER EVREN, AYGUN NURCIHAN, ISGOR ADNAN. STANDARD AND CONTINUOUS NERVE STIMULATION OF

		ROLE OF IONM.	INTRAOPERATIVE NEUROMONITORING IN THYROID SURGERY. (10) Chou Fong-Fu , Chi Shun-Yu, Chan Yi-Chai, Lai Chi-Chih, Chen Min-Hui. BILEVEL POSITIVE AIR WAY PRESSURE FOR THE TREATMENT OF BILATERAL CORD PALSY AFTER THYROIDECTOMY. (72) Al-Hakami Hadi A., Al-Garni Mohammed A., AlZahrani Rajab A. RECURRENT LARYNGEAL NERVE INJURY FOLLOWING THYROID SURGERY, INCIDENCE AND RISK FACTORS.
10:00 – 10:30	**Coffee Break and a Poster Walk (Exhibition Room)**		
10:30 – 11:00	**Key-note lecture 4: (30min)** **MANAGEMENT OF THE SLN DURING THYROIDECTOMY IN THE ERA OF IONM** **Speaker: Marcin Barczyński, Poland**	**Protected time slot**	**Protected time slot**
11:00 – 12:00	**Mini-symposium 3: (20min each)** **EXPERIMENTAL ANIMAL MODELS FOR RLN INJURY** **Moderator: Feng-Yu Chiang, Taiwan** **Panelists: Gianlorenzo Dionigi (Italy), Hoon Yub Kim (South Korea), Che-Wei Wu (Taiwan), Aleksander Konturek (Poland), Rumen Pandev (Bulgaria)** **1. Che-Wei Wu (Taiwan) TRACTION INJURY OF THE RLN IN PORCINE MODEL** **2. Hoon Yub Kim (South Korea) TRACTION INJURY OF THE RLN IN SWINE MODEL** **3. Gregory W. Randolph (USA) WHAT WE CAN LEARN FROM ANIMAL STUDIES IN CANINE**	**Mini-symposium 4: (20min each)** **EDUCATION AND TRAINING WITH IONM** **Moderator: Martin Walz, Germany)** **Panelists: Erivelto Volpi (Brasil), Juan Pablo Duenos Munoz (Columbia), Piero Alesina (Germany), Ping Wang (China), Marcin Barczyński (Poland)** **1. Piero Alesina (Germany) IONM FOR SURGICAL TRAINING IN THYROID SURGERY** **2. Ping Wang (China) IONM COURSES IN CHINA** **3. Marcin Barczyński (Poland) ACCREDITATION OF IONM COURSES BY THE INMSG**	**Oral Paper Session 6 (46-51): 10min each** **Chairs: Dipti Kamani (USA), Anatoly Romanischen (Russia), Beata Wojtczak (Poland)** (139) Salari Behzad, Kamani Dipti, Randolph Gregory. NEURAL MONITORED STAGED SURGICAL MANAGEMENT FOR ADVANCED THYROID CANCERS: SAFETY AND ONCOLOGIC OUTCOMES. (43) Folek Jessica, Snyder Samuel. MECHANISMS OF RECURRENT LARYNGEAL NERVE INJURY. (15) Romanchishen Anatoly, Romanchishen Filipp, Karpatskii Igor, Vabalayte Kristina. INTRAOPERATIVE NERVE INTEGRITY MONITOR AS PART OF SAFETY DISSECTIONS OF RECURRENT LARYNGEAL NERVE AND SPINAL ACCESSORY NERVE. (144) Duenas Juan Pablo , Duque Carlos Simon, Builes Sergio. EVALUATION OF OUTCOMES AND PROGNOSIS OF THE LOSS OF SIGNAL IN THYROID AND PARATHYRID REOPERATIONS WITH

			INTRAOPERATIVE NERVE MONITORING. (24) Van Slycke Sam, Van Den Heede Klaas , Huvenne Wouter, Dionigi Gianlorenzo, Gillardin Jean-Pierre, Brusselaers Nele, Vermeersch Hubert. INTRA-OPERATIVE VAGAL NEUROMONITORING PREDICTS NON-RECURRENT LARYNGEAL NERVES: TECHNICAL NOTES AND REVIEW OF THE RECENT LITERATURE. (40) Starczewska Anna , Brol Monika, Żołnowska Anna. ADVANTAGES OF ROCURONIUM BROMIDE USAGE IN THYROID SURGERY WITH NEUROMONITORING.
12:00 – 13:00	**Lunch Time and a Poster Walk (Exhibition Room)**		
13:00 - 14:30	**<u>Panel 5: (20min each)</u>** **INFORMED CONSENT AND MALPRACTICE LITIGATION** **Moderator: Peter Angelos, USA** **Panelists: Henning Dralle (Germany), Kerstin Lorenz (Germany), Gianlorenzo Dionigi (Italy), Sam Snyder (USA), Michael Hermann (Austria)** **1. Peter Angelos (USA) ETHICAL AND MEDICOLEGAL ISSUES IN IONM DURING THYROIDECTOMY** **2. Henning Dralle (Germany) IMPACT OF IONM ON MALPRACTICE CLAIMS** **3. Gianlorenzo Dionigi (Italy) INFORMED CONSENT FOR IONM-GUIDED THYROID SURGERY** **4. Michael Hermann, Austria: EMG DOCUMENTATION FOR MEDICAL RECORDS**	**<u>Video Session 3 (17-22): 10min each</u>** **Chairs: Ralph Tufano (USA), Sam Van Slycke (Belgium), Maciej Otto (Poland)** (77) Dionigi Gianlorenzo, Wu CW, Leotta Andrea, Lavazza Matteo, Pappalardo Vincenzo, Ferrari Cesare, Rovera Francesca, Rausei Stefano, Boni Luigi, Chiang FY, Randolph GW. TECHNICAL NOTES FOR VAGUS NERVE STIMULATION FOR STANDARDIZED MONITORING. (98) Makay Ozer, Van Slycke Sam. TROUBLESHOOTING DURING INTRAOPERATIVE NEUROMONITORING - A VIDEO PRESENTATION. (78) Dionigi Gianlorenzo, Kim HY, Pappalardo Vincenzo, Lavazza Matteo, Leotta Andrea, Ferrari Cesare, Spampatti Sebastiano, Rausei Stefano, Chiang FY, Barczynski M, Randolph GW. TROUBLESHOOTING ALGORITHMS FOR IONM (62) Wojtczak Beata, Sutkowski Krzysztof, Kaliszewski Krzysztof, Głód Mateusz, Czopnik Piotr, Aporowicz Michał, Barczyński Marcin. TRANSIENT LOSS OF SIGNAL IN THYROID SURGERY WITH INTRAOPERATIVE NEUROMONITORING. (75) Dionigi Gianlorenzo, WU CW, Leotta Andrea,	**<u>Oral Paper Session 7 (52-60): 10min each</u>** **Chairs: Xiaoli Liu (China), Duenas Juan Pablo (Colombia), Agnieszka Czarniecka (Poland)** (66) Mangano Alberto , Dionigi Gianlorenzo, Kim Hoon Yub, Wu Che-Wei, Ferrari Cesare, Leotta Andrea, Lavazza Matteo, Chiang Feng-Yu. EVALUATION OF VAGAL NERVE SIZE IN STANDARDIZED MONITORED THYROIDECTOMY. (31) Cernea Claudio, Brandão Lenine, Morais-Besteiro Julio, Macedo Antonio, Schraibman Vladimir, Hojaij Flavio, Dedivitis Rogerio, Kulcsar Marco. LARYNGEAL NERVE MONITORING IN NON-THYROID/PARATHYROID OPERATIONS. (140) Duenas Juan Pablo, Duque Carlos Simon. IMPLEMENTATION OF INTRAOPERATIVE NERVE MONITORING TRAINING IN A PORCINE MODEL IN LATINAMERICA. (59) Astl Jaromir, Rotnagl Jan, Kovar Daniel, Filipovsky Tomas, Holy Richard. INTRAOPERATIVE NEUROMONITORING IN THYROID AND PARATHYROID SURGERY. RESULTS AND ANALYSES BY RECURRENT NERV INJURY INDEX (IRI). (55) VAMVAKIDIS KYRIAKOS, CHRISTOFORIDES

		Pappalardo Vincenzo, Lavazza Matteo, Ferrari Cesare, Rovera Francesca, Boni Luigi, Chiang FY, Randolph GW. NORMATIVE VN AND RLN EMG QUANTITATIVE PARAMETERS: OPTIMIZING EMG SIGNAL. (150) Konturek Aleksander, Barczyński Marcin, Stopa Małgorzata, Nowak Wojciech. HOW TO AVOID INJURY OF THE EBSLN?	CHRISTOS, ANASTASIOU ELENI. ESTIMATION OF EXTRALARYNGEAL BRANCHING OF THE RECURRENT LARYNGEAL NERVE AND FUNCTION CONTROL OF ITS BRANCHES USING THE INTRAOPERATIVE NEUROMONITORING. (35) Dimov Rossen. INTERMITTENT RLN MONITORING AS A PART OF POSTGRADUATE THYROID SURGERY TRAINING. (123) Van Slycke Sam, Van Den Heede Klaas, Brusselaers Nele, Vermeersch Hubert. THYROID CARTILAGE ELECTRODES VS TUBE ELECTRODES IN INTRA-OPERATIVE NEUROMONITORING : PROSPECTIVE EVALUATION OF 25 CASES.
14:30 – 16:00	**CLOSING REMARKS FOLLOWED BY THE MEETING OF THE INTERNATIONAL NEURAL MONITORING STUDY GROUP:** **Future Research in IONM** **Chairs: SC of the INMSG**		

ACCEPTED POSTERS TO BE PRESENTED DURING A POSTER WALK, WHICH IS SCHEDULED TO TAKE PLACE DURING THE COFFEE BREAKS

Chairs: Quan Yang Duh (USA), Piotr Myśliwiec (Poland), Őzer Makay (Turkey), Krzysztof Kaczka (Poland)

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16	Romanchishen Anatoly, Romanchishen Filipp	IN SEARCH OF FUNCTIONAL AND AESTHETIC APPROACH FOR LATERAL NECK METASTASES OF THYROID CANCER
17	Vabalayte Kristina, Romanchishen Anatoly	HISTORY OF RECURRENT LARYNGEAL NERVE RESEARCH
19	Zhao Yishen, Liu Xiaoli, Wang Tie, Sun Hui, Chiang Fengyu	MECHANISM OF RECURRENT LARYNGEAL NERVE INJURY AND THE APPLICATION OF INTRAOPERATIVE NEUROMONITORING IN THYROID SURGERY.
20	Zhao Yishen, Liu Xiaoli, Xin Jingwei, Wang Tie, Li Jingting, Sun Hui	THE RELEVANCY BETWEEN THE CHANGE OF AMPLITUDE ON DIFFERENT SITES OF RECURRENT LARYNGEAL NERVE AND THE MOVEMENT OF VOCAL CORDS IN THYROID SURGERY.
21	Zhao Yishen, Liu Xiaoli, Wu Chewei, Wang Tie, Li Shijie, Xin Jingwei, Li Fang, Sun Hui, Chiang Fengyu	THE EMG PARAMETERS OF SUPERIOR LARYNGEAL NERVE RECORD WITH NIM TRIVANTAGETM EMG ENDOTRACHEAL TUBE: A PORCINE MODEL.

26	Tsai Stella, Lin Frank, Chen Shih-Wei	SUCCESSFUL MANAGEMENT OF ECTOPIC MEDIASTINAL THYROID TISSUE ACCOMPANYING MULTINODULAR GOITER UNDER INTRAOPERATIVE NEURAL MONITORING
32	Duque Carlos S., Dueñas Juan Pablo	NOT TOO COMMON FINDINGS IN INTRAOPERATIVE NERVE MONITORING
33	Duque Carlos S, Londoño Andres , Dueñas Juan Pablo	NON THYROIDAL OR PARATHYROIDAL / RECURRENT NERVE APPLICATIONS OF INTRA OPERATIVE NEUROMONITORING IN HEAD AND NECK SURGERY
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36	KOUTELIDAKIS JOHN, KALAITZIS STELIOS, DOUNDIS AGGELOS, LASKOU STYLIANI, VOLOUDAKIS NIKOLAOS, ANANIADIS ANANIAS, KALTSIKIS THEODOROS, PAPAZIOGAS VASILIOS, MAKRIS IOANNIS	CAN SUBJECTIVE VOICE ASSESSMENT AFTER THYROIDECTOMY BE ASSOCIATED TO LARYNGOSCOPY? WHICH IS THE ROLE OF INTRAOPERATIVE NEUROMONITORING?
37	Duque Carlos S, Dueñas Juan Pablo, Marulanda Marcela, Perez Diana	PHRENIC NERVE STIMULATION DURING NECK DISSECTION FOR ADVANCED THYROID CANCER INVOLVING LEVEL IV, IS IT WORTH DOING IT?
38	Pandev Rumen, Kouzi Ahmad , Radeva Margarita , Gornev Rado, Damyanov Damyan	RECURRENT LARYNGEAL NERVES INVOLVED BY LOCALLY ADVANCED THYROID TUMORS- WHAT SHOULD BE PERFORMED?
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46	Kim Su-jin , Lee Kyu Eun , Oh Byung-Mo, Oh Eun Mee , Chai Young Jun, Kwon Hyungju, Song Ra-Yeong, Yu Hyeong Won, Yi Jin Wook , Choi June Young, Young Yeo-Kyu	INTRAOPERATIVE NEUROMONITORING OF THE EXTERNAL BRANCH OF THE SUPERIOR LARYNGEAL NERVE DURING ROBOTIC THYROID SURGERY: A PRELIMINARY PROSPECTIVE STUDY
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51	Xie Qiuping, Wang Yong, Wang Ping, Yan Haichao, Zhao Qunzai	FEASIBILY OF INTROPERATIVE NEUROMONITORING DURING TOTAL ENDOSCOPIC THYROIDECTOMY FOR THYROID CANCER AND ITS INFLUENCE ON SURGERY TIME AND RLN PARESIS
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65	Huang Shih-Ming, Loh Zhu-Jun	THYROID CANCER RECURRENCE IN RIGHT PARAESOPHAGEAL LYMPH NODE—THE MOST COMMON OVERLOOK LN DURING CENTRAL LN DISSECTION
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132	Princi Pietro, Ciolfi Silvio, De Ninno Maria, Sallustio Giuseppina, Rotondi Fabio	RIGHT INFERIOR PARATHYROIDECTOMY WITH INTRA-OPERATIVE NERVE MONITORING (IONM) IN A PATIENT WITH LUSORIA ARTERY AND NON RECURRENT LARYNGEAL NERVE: ANOTHER CASE REPORT OF USEFULNESS OF IONM.
133	Princi Pietro, Palumbo Francesco, Pericoli Ridolfini Marco, Berardi Stefano, Rotondi Fabio	MINIMALLY INVASIVE VIDEO-ASSISTED THYROIDECTOMY (MIVAT) WITH INTRA-OPERATIVE NERVE MONITORING (IONM): INITIAL EXPERIENCE IN A REGIONAL REFERRAL CENTER.
134	Duran Poveda Manuel, Garcia Munoz Najar Alejandro, Gonzalez Gonzalez Juan, Martinez Pozuelo Almudena, Ferrigni Gonzalez Carlos	EVALUATION OF THE USEFULNESS OF NEUROMONITORIZATION RECURRENT LARYNGEAL NERVE IN THYROID SURGERY TEACHING
135	Duenas Juan Pablo, Duque Carlos Simon	INTRAOPERATIVE LARYNGEAL NERVE MONITORING. CURRENT PRACTICE PATTERNS OF USE AMONG SURGEONS IN LATINAMERICA. A SURVEY STUDY
136	Potenza Andre, Gotoda Renato, Moyses Raquel, Anton Juliana Maria, Cernea Claudio	SUPERIOR LARYNGEAL NERVE EXTERNAL BRANCH: NORMATIVE ELECTROPHYSIOLOGICAL PARAMETERS IN BRAZILIAN PATIENTS UNDERGOING THYROID SURGERY
141	Jiang Kewei	THE SAFE RANGE OF ELECTRICAL STIMULATION INTENSITY DURING INTRAOPERATIVE NEUROMONITORING OF THE RECURRENT LARYNGEAL NERVE: AN EXPERIMENTAL CANINE MODEL

145	Lee Byungjoo, Wang Soo-Geun, Shin Sung-Chan, Lee Jin-Choon, Kim Sung-Dong	DISSECTION OF RIGHT UPPERPARAESOPHAGEAL LYMPH NODE FOR MANAGEMENT OF RECURRENT OR PERSISTENT NODAL LESION IN PATIENT WITH PAPILLARY THYROID CANCER
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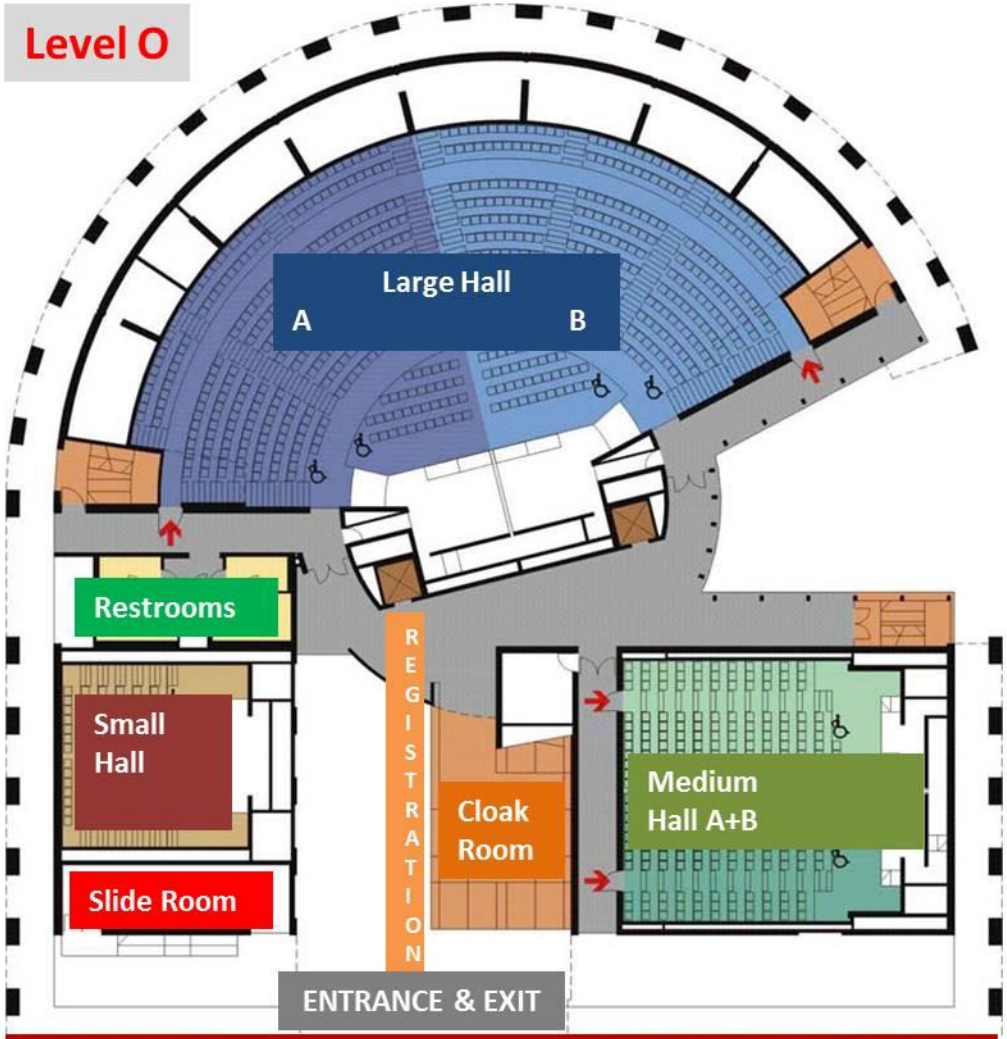
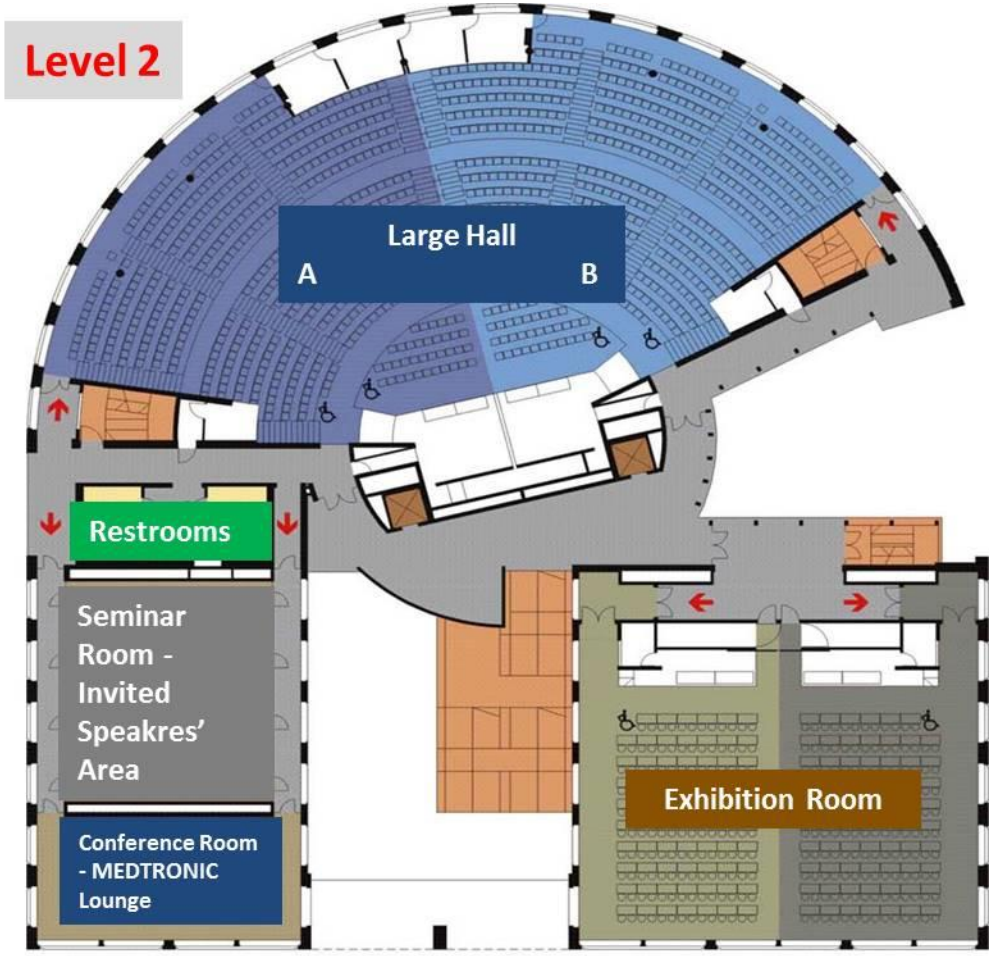
147	Jacques Thomas, Langstaff Lorna, Mochloulis George	AUTOMATIC PERIOD STIMULATION VAGAL MONITORING IN THYROIDECTOMY - A RETROSPECTIVE REVIEW





Large Hall A+B	max. capacity 1200 persons
Medium Hall A+B	max. capacity 250 persons
Small Hall	max. capacity 100 persons

Exhibition Room	max. capacity 250 persons
Seminar Room (Invited Speakers' Area)	max. capacity 150 persons
Conference Room (MEDTRONIC Lounge)	max. capacity 50 persons