

**IBET MARIE Y. SIH, M.D., F.A.F.N.I., F.P.C.S.**

Rm 1109, Medical Arts Building, St. Luke's Medical Center – Bonifacio Global City,  
Rizal Ave. cor 32<sup>nd</sup> St., Bonifacio Global City, Philippines  
(+632) 8 789-7700 loc 7109

**PRESENT POSITIONS**

Spine Committee Member, World Federation of Neurosurgical Specialties  
Program Director for Neurosurgery, St. Luke's Medical Center Institute for the  
Neurosciences – Quezon City  
Co-Chief, St. Luke's Medical Center Global City Service for Advanced Spine Care

**PRESENT HOSPITAL AFFILIATIONS**

Active consultant:

ST. LUKE'S MEDICAL CENTER – Quezon City  
ST. LUKE'S MEDICAL CENTER – Bonifacio Global City  
PHILIPPINE CHILDREN'S MEDICAL CENTER  
THE MEDICAL CITY  
METROPOLITAN MEDICAL CENTER

Associate Professor 3:

UNIVERSITY OF THE PHILIPPINES - PHILIPPINE GENERAL HOSPITAL

Visiting consultant:

MANILA DOCTORS HOSPITAL

**PROFILE**

**PAPERS/BOOKS PRESENTED/PUBLISHED**

- ***SUBAXIAL CERVICAL SPINE INJURIES: WFNS SPINE COMMITTEE RECOMMENDATIONS***, Co-author, published 2020. Neurospine 2020;17(4):737-758. <https://doi.org/10.14245/ns.2040368.184>.
- ***HISTORY OF SPINAL NEUROSURGERY AND SPINE SOCIETIES***, Co-author, published 2020. Neurospine 2020;17(4):675-694. <https://doi.org/10.14245/ns.2040622.311>.
- ***RADIATION-INDUCED GLIOBLASTOMA OF THE CONUS MEDULLARIS FROM RADIATION TREATMENT OF CERVICAL CANCER***, Co-author, published 2020. BMJ Case Rep 2020;13:e238372.doi:10.1136/bcr-2020-238372.
- ***IATROGENIC ATLANTOAXIAL ROTATORY SUBLUXATION AFTER SPINAL MANIPULATIVE THERAPY IN A CHILD***, Co-author, published online 2020, INTERDISCIPLINARY NEUROSURGERY 21(2020) 100721.

- ***PERIANEURYSMAL PARENCHYMAL CYST OF THE PONS: A CASE REPORT AND REVIEW OF LITERATURE***, Co-author, published online 2020, INTERDISCIPLINARY NEUROSURGERY 21(2020) 100731.
- ***STEREOTACTIC RADIOSURGERY AND STEREOTACTIC FRACTIONATED RADIOTHERAPY FOR METASTATIC TUMORS OF THE SPINE***, Co-author, published online 07 Mar 2017, NEUROLOGICAL RESEARCH 39(4):298-304.
- ***THORACIC SPINE TUMORS AND MINIMAL ACCESS SPINE SURGERY***, Main author, published 2016 in WFNS SPINE COMMITTEE TEXTBOOK ON THORACIC SPINE (Chapter 11; PS Ramani – Editor-in-Chief; Jaypee Brothers Medical Publishers (P) Ltd).
- ***STEREOTACTIC RADIOSURGERY FOR METASTATIC TUMORS OF THE THORACIC SPINE***, Main author, published 2016 in WFNS SPINE COMMITTEE TEXTBOOK ON THORACIC SPINE (Chapter 31; PS Ramani – Editor-in-Chief; Jaypee Brothers Medical Publishers (P) Ltd).
- ***MINIMAL ACCESS INTRASPINAL TUMOR SURGERY: A NEW PERSPECTIVE IN SPINE TREATMENT TECHNOLOGY***, Author, presented in the WFNS Spine Committee's Third Bi-Annual Conference 2014, Cartagena, Colombia, September 2014, NSSA (Neuro Spinal Surgeons Association India) 2013 (Pune, India), September 2013, and in the WFNS XV World Congress of Neurological Surgery (Seoul, Korea), September 2013
- ***CERVICAL TOTAL DISC REPLACEMENT SURGERY - MOTION PRESERVATION SURGERY WITH ARTIFICIAL DISC (PRESTIGE LP): AN ALTERNATIVE TO FUSION SURGERY IN THE TREATMENT OF CERVICAL DEGENERATIVE DISC DISEASE***, Author, published 2009 PHILIPPINE JOURNAL OF SURGICAL SPECIALTIES 64(4):151-156; presented in the 1<sup>st</sup> World Congress of Minimally Invasive Spine Surgery and Techniques (Hawaii, USA), June 2008, the 13<sup>th</sup> ASEAN Congress of Neurological Surgeons (Kuala Lumpur, Malaysia), December 2008, the WFNS XIV World Congress of Neurological Surgery (Boston, Massachusetts) August-September 2009, and in the 1<sup>st</sup> WFNS-ICASS WFNS Spine Committee Conference, 14<sup>th</sup> ICSM International Conference Spine Management, 15<sup>th</sup> PERSPEBSI Annual Meeting of Indonesian Neuro-Surgical Society (Bali, Indonesia), June 2010
- ***DECOMPRESSIVE SURGERY VIA THE UNILATERAL PARAMEDIAN MUSCLE SPLITTING TECHNIQUE (USING THE METRX-MD SYSTEM): A RECOMMENDED TREATMENT FOR LUMBAR SPINAL STENOSIS***, Author, published 2009 PHILIPPINE JOURNAL OF SURGICAL SPECIALTIES 64(3):100-105); presented in the 1<sup>st</sup> World Congress of Minimally Invasive Spine Surgery and Techniques (Hawaii, USA), June 2008, the WFNS

XIV World Congress of Neurological Surgery (Boston, Massachusetts) August-September 2009, and in the 8<sup>th</sup> Asian Congress of Neurological Surgeons (Kuala Lumpur, Malaysia) November 2010

- ***A REVIEW OF SPINAL SCHWANNOMAS: DOES NERVE ROOT RESECTION AFFECT OUTCOME?***, Author, for publication
- ***MOBILE CAUDA EQUINA SCHWANNOMAS***, Co-author, published 2007 (SINGAPORE MEDICAL JOURNAL 48(2))
- ***C1-C2 TUBERCULOSIS: A CASE REPORT***, Author, published 2004 (JOURNAL OF CLINICAL NEUROSCIENCE 11(3):341-343)
- ***MR IMAGING FEATURES OF PIGMENTED VILLONODULAR SYNOVITIS OF THE CERVICAL SPINE: CASE REPORT***, Co-author, published 2004 (AMERICAN JOURNAL OF NEURORADIOLOGY 25(1):146-149)
- ***ANTERIOR CERVICAL CORPECTOMY: SURGICAL RESULTS AND FACTORS AFFECTING OUTCOME***, presented in the 10<sup>th</sup> ASEAN Congress of Neurological Surgery (Singapore), December 2002
- ***THE PREDICTORS OF OUTCOME IN SURGERY OF ANEURYSMAL SUBARACHNOID HEMORRHAGE***, Author, published 2001 (ACTA MEDICA PHILIPPINA 37(2):60-71). **THIRD PLACE** in the 6<sup>th</sup> Annual Residents' Research Forum of the Academy of Filipino Neurosurgeons, Inc. (Manila, Philippines), September 2001. Presented in the 10<sup>th</sup> ASEAN Congress of Neurological Surgery (Singapore), December 2002; 1<sup>st</sup> Residents' Research Contest by the Philippine College of Surgeons-Metro Manila Chapter (Manila, Philippines), November 2001; 1<sup>st</sup> Philippine Joint Neuroscience Convention (Iloilo City, Philippines), September 2001; UP-Philippine General Hospital Research Week (Manila, Philippines), November 2001
- ***TERSON'S SYNDROME: NOT A PROGNOSTICATING FACTOR IN ANEURYSMAL SUBARACHNOID HEMORRHAGE***, Author, published 2002 (PHILIPPINE JOURNAL OF SURGICAL SPECIALTIES 57(1):12-16). Presented in the 10<sup>th</sup> ASEAN Congress of Neurological Surgery (Singapore), December 2002; 1<sup>st</sup> Philippine Joint Neuroscience Convention (Iloilo City, Philippines), September 2001; 5<sup>th</sup> Annual Residents Research Forum of the Academy of Filipino Neurosurgeons, Inc. (Manila, Philippines), September 2000
- ***THE PREDICTORS OF POOR OUTCOME IN ANEURYSMAL SUBARACHNOID HEMORRHAGE***, Co-author, published (PHILIPPINE JOURNAL OF NEUROLOGY 5:2000). **THIRD PLACE** in the 24<sup>th</sup> Residents Night of the Philippine College of Surgeons, 2000. Presented in the 4<sup>th</sup> Annual

Residents Research Forum of the Academy of Filipino Neurosurgeons, Inc. (Manila, Philippines), September 1999.

- ***THIRD VENTRICULAR TUMORS*** and ***IMMATURE TERATOMA IN A 1 MONTH OLD***, presented in Joint Neuroscience Conferences of the UP-Philippine General Hospital (Manila, Philippines), 1999 and 2000

## LECTURES

- ***CLINICAL AND RADIOLOGICAL FACTORS AFFECTING SURGICAL DECISION MAKING (OSTEOPOROTIC SPINE FRACTURES)***, WFNS Spine Committee Consensus Meeting: Osteoporotic Spine Fractures, January 2021
- ***ARTIFICIAL DISC REPLACEMENT: PAST, PRESENT AND FUTURE***, AFN Annual Meeting, December 2020
- ***FAILURE IN CERVICAL INSTRUMENTATION***, AOSpine Advanced Symposium – Degenerative Cervical Spine Diseases (Manila, Philippines), November 2019
- ***PROMOTING AXONAL REGENERATION AFTER SPINAL CORD INJURY***, 9<sup>th</sup> Neuroscience International Symposium (Brain Connects: Bridging Brains – Enriching Minds) (St. Luke’s Medical Center-Global City, Philippines), October 2019
- ***LUMBAR SPINAL STENOSIS: PATHOPHYSIOLOGY AND TREATMENT OPTIONS***, 2019 WFNS Special World Congress (Beijing, China), September 2019
- ***SPINE RADIOSURGERY FOR METASTATIC TUMORS: INDICATIONS, TREATMENT GUIDELINES AND OUTCOMES***, 2019 WFNS Special World Congress (Beijing, China), September 2019
- ***MANAGEMENT OF DUROTOMY AND TECHNIQUES OF DURAL REPAIR***, Prevention and Management of Complications of Spinal Access Surgery: 7<sup>th</sup> Live Tissue Course (Philippine Spine Society and Veterans Memorial Medical Center) (Manila, Philippines), August 2019
- ***MANAGEMENT OF SUBAXIAL CERVICAL SPINE INJURY***, 10<sup>th</sup> Congress of the Russian Association of Spine Surgeons (RASS) (Moscow, Russia), May 2019
- ***PARAPARESIS/BIPARESIS: RECOGNITION, DIAGNOSIS AND MANAGEMENT***, The 17<sup>th</sup> Neurology UP-PGH Faculty and Alumni of the Neurosciences (UPFANS), Inc. Postgraduate Course. Evolution Devolution in

Neurologic Care: Shifting Paradigms to the Community (Albay, Philippines), April 2019

- ***UPDATES IN TREATMENT OF CERVICAL SPONDYLOSIS AND SPINAL STENOSIS***, The 5<sup>th</sup> WFNS Spine Committee Biennial Conference and The 22<sup>nd</sup> Annual Scientific Meeting of the Indonesian Neurosurgical Society (Meeting the Challenges Facing the Future) (Bali, Indonesia) October 2018
- ***MINIMALLY INVASIVE SURGERY OF SPINE TUMORS***, The 5<sup>th</sup> WFNS Spine Committee Biennial Conference and The 22<sup>nd</sup> Annual Scientific Meeting of the Indonesian Neurosurgical Society (Meeting the Challenges Facing the Future) (Bali, Indonesia) October 2018
- ***UPDATES IN THE MANAGEMENT OF CERVICAL SPONDYLOSIS AND SPINAL STENOSIS***, Neuro-Spinal Surgery@80: Prof. P.S. Ramani 80 Years Young Celebrations (Mumbai, India) May 2018
- ***BRAININTERACTION: COLLABORATIVE APPROACHES TO DIFFERENT NEUROLOGICAL SYMPTOMS (I GOT YOUR BACK: WHAT TO DO ABOUT BACK PAIN)***, St. Luke's Medical Center International Institute for the Neurosciences Postgraduate Course (Metro Manila, Philippines), October 2017
- ***MINIMAL ACCESS SURGERY OF CHIARI 1 AND CHIARI 0 MALFORMATIONS***, WFNS XVI World Congress of Neurosurgery: Pre-Congress Spine Course (Istanbul, Turkey), August 2017
- ***MINIMALLY INVASIVE SURGERY OF SPINE TUMORS***, WFNS XVI World Congress of Neurosurgery: Pre-Congress Spine Course (Istanbul, Turkey), August 2017
- ***DECOMPRESSIVE SURGERY VIA THE UNILATERAL PARAMEDIAN MUSCLE SPLITTING TECHNIQUE FOR LUMBAR SPINAL STENOSIS***, WFNS XVI World Congress of Neurosurgery (Istanbul, Turkey), August 2017
- ***SPINE STEREOTACTIC RADIOSURGERY***, WFNS XVI World Congress of Neurosurgery (Istanbul, Turkey), August 2017
- ***MINIMALLY INVASIVE SURGERY OF SPINE TUMORS***, WFNS XVI World Congress of Neurosurgery (Istanbul, Turkey), August 2017
- ***A COMPREHENSIVE APPROACH TO TREATMENT OF CERVICAL SPONDYLOSIS***, The 4<sup>th</sup> WFNS Spine Committee Biennial Conference and The 1<sup>st</sup> SLMC-GC Advanced Spine Care Service Conference with Cadaveric Workshop (Metro Manila, Philippines), September 2016

- ***SPINE STEREOTACTIC RADIOSURGERY***, The 4<sup>th</sup> WFNS Spine Committee Biennial Conference and The 1<sup>st</sup> SLMC-GC Advanced Spine Care Service Conference with Cadaveric Workshop (Metro Manila, Philippines), September 2016
- ***THORACIC MINIMAL ACCESS POSTERIOR SURGERY***, The 4<sup>th</sup> WFNS Spine Committee Biennial Conference and The 1<sup>st</sup> SLMC-GC Advanced Spine Care Service Conference with Cadaveric Workshop (Metro Manila, Philippines), September 2016
- ***VERTEBRAL COMPRESSION FRACTURES***, The 4<sup>th</sup> WFNS Spine Committee Biennial Conference and The 1<sup>st</sup> SLMC-GC Advanced Spine Care Service Conference with Cadaveric Workshop (Metro Manila, Philippines), September 2016
- ***DECOMPRESSIVE SURGERY FOR SPINAL CORD INJURY***, The 14<sup>th</sup> Neurology UP-PGH Faculty and Alumni of the Neurosciences (UPFANS), Inc. Postgraduate Course (Manila, Philippines), April 2016
- ***LOW BACK PAINS***, The 13<sup>th</sup> Neurology UP-PGH Faculty and Alumni of the Neurosciences (UPFANS), Inc. Postgraduate Course (Manila, Philippines), March 2015
- ***SPINE STEREOTACTIC RADIOSURGERY IN THE PHILIPPINES***, Philippine College of Surgeons 70<sup>th</sup> Annual Clinical Congress (Mandaluyong City, Philippines), December 2014
- ***SPINE STEREOTACTIC RADIOSURGERY***, WFNS Spine Committee's Third Bi-Annual Conference 2014, Cartagena, Colombia, September 2014
- ***POSTERIOR DYNAMIC STABILIZATION USING INTERSPINOUS SPACER WITH MICRODECOMPRESSION FOR CHRONIC BACK PAIN***, WFNS Spine Committee's Third Bi-Annual Conference 2014, Cartagena, Colombia, September 2014
- ***MINIMAL ACCESS INTRASPINAL TUMOR SURGERY***, WFNS Spine Committee's Third Bi-Annual Conference 2014, Cartagena, Colombia, September 2014
- ***ONCOLOGIC EMERGENCIES: SPINAL CORD COMPRESSION***, 8<sup>th</sup> St. Luke's Medical Center Radiation Oncology Postgraduate Course (Manila, Philippines), July 2014
- ***SPINE STEREOTACTIC RADIOSURGERY***, The 12<sup>th</sup> Neurology UP-PGH Faculty and Alumni of the Neurosciences (UPFANS), Inc. Postgraduate Course (Manila, Philippines), March 2014

- ***CONTROVERSIAL DECISIONS IN ANTERIOR CERVICAL APPROACHES***, Asian Australasian Society of Neurological Surgeons (AASNS) Educational Course (Manila, Philippines), December 2013
- ***MINIMAL ACCESS INTRASPINAL TUMOR SURGERY: A NEW PERSPECTIVE IN SPINE TREATMENT TECHNOLOGY***, the WFNS XV World Congress of Neurological Surgery (Seoul, Korea), September 2013
- ***POSTERIOR DYNAMIC STABILIZATION USING INTERSPINOUS SPACER WITH MICRODECOMPRESSION FOR CHRONIC BACK PAIN***, the WFNS XV World Congress of Neurological Surgery (Seoul, Korea), September 2013
- ***MINIMAL ACCESS INTRASPINAL TUMOR SURGERY: A NEW PERSPECTIVE IN SPINE TREATMENT TECHNOLOGY***, NSSA (Neuro Spinal Surgeons Association India) 2013 (Pune, India), September 2013
- ***NOLI ME TANGERE: COMMON MEDICAL MANAGEMENT OF SPINE PROBLEMS***, Philippine Academy of Family Physicians Iloilo Chapter Primary Care Surgery and Neurosurgery Interactive Lecture and Skills Workshop (Iloilo City, Philippines), September 2013; Philippine Academy of Family Physicians 52<sup>nd</sup> Postgraduate Course (Mandaluyong City, Philippines), August 2013
- ***TO CUT OR NOT TO CUT: COMMON SURGICAL MANAGEMENT OF SPINE CONDITIONS***, Philippine Academy of Family Physicians Iloilo Chapter Primary Care Surgery and Neurosurgery Interactive Lecture and Skills Workshop (Iloilo City, Philippines), September 2013; Philippine Academy of Family Physicians 52<sup>nd</sup> Postgraduate Course (Mandaluyong City, Philippines), August 2013
- ***THE ROLE OF MINIMAL ACCESS TECHNIQUES AND INNOVATIONS IN EFFECTIVE BLOOD MANAGEMENT IN SPINE SURGERY***, Baxter Biosurgery Institute Hands-On Workshop (Hongkong), April 2013
- ***SPINE SURGERY IN THE PHILIPPINES***, Philippine College of Surgeons 68<sup>th</sup> Annual Clinical Congress (Mandaluyong City, Philippines), December 2012
- ***PEEK PREVAIL INTERBODY DEVICE AS ALTERNATIVE TO DISCECTOMY AND FUSION CONSTRUCTS***, (Changmai, Thailand), November 2012
- ***UPDATE ON THE CLASSIFICATION AND MANAGEMENT OF SPINAL CORD INJURY TO INCLUDE STEM CELL THERAPY FOR SCI***, (Academy of Filipino Neurosurgeons, Inc., Regional Section Meeting –Visayas Section, Cebu City, Philippines), August 2012

- ***PEEK PREVAIL CERVICAL INTERBODY DEVICE: ALTERNATIVE TO DISCECTOMY AND FUSION CONSTRUCTS***, (Cho Ray Hospital - Ho Chi Minh, Viet Duc Hospital – Hanoi, Vietnam), May 2012
- ***NEW HORIZONS IN SPINE SURGERY***, The 10<sup>th</sup> Neurology in Your Practice (Cutting Edge Neurology), The University of the Philippines Faculty and Alumni of the Neurosciences, Incorporated and The Department of Neurosciences, UP-Philippine General Hospital (Manila, Philippines), February 2012
- ***MONITORING THE BRAIN AND THE SPINAL CORD, The 1<sup>st</sup> Anesthesia Clinical Symposium (Anesthesia Trends: Updates and Debates)***, (The Medical City, Philippines) September 2010
- ***PGH PEDIATRIC HEMILAMINECTOMY LECTURE***, (UP-Philippine General Hospital, Manila, Philippines) March 2010
- ***MINIMAL ACCESS SURGERY VIA UNILATERAL MUSCLE SPLITTING APPROACH: AN INNOVATIVE BREAKTHROUGH IN INTRASPINAL TUMOR SURGERY***, Philippine College of Surgeons 65<sup>th</sup> Annual Clinical Congress (Pasay City, Philippines), December 2009
- ***SPINE NEUROSURGERY UPDATE: DEGENERATIVE CERVICAL AND LUMBAR SPINE CONDITIONS***, Neurology and Neurosurgery Fusion (A Joint PNA-AFN Meeting): Neurology and Neurosurgery Interface - From Definition of Boundaries to Clarity of Vision (Makati City, Philippines), September 2009
- ***CONTROVERSIES IN SURGERY OF SPINAL CORD INJURY***, UP-PGH Faculty and Alumni of the Neurosciences, Inc. (UPFANS, Inc.) 7<sup>th</sup> Neurology in your Practice – Emergencies, Controversies and Updates (Manila, Philippines), February 2009
- ***ARTIFICIAL DISC REPLACEMENT***, Philippine College of Surgeons 64<sup>th</sup> Annual Clinical Congress (Mandaluyong City, Philippines), December 2008
- ***MINIMALLY INVASIVE LUMBAR SPINE SURGERY***, Philippine College of Surgeons 64<sup>th</sup> Annual Clinical Congress (Mandaluyong City, Philippines), December 2008
- ***INITIAL EXPERIENCE WITH AWAKE CRANIOTOMY***, Midyear Convention of the Philippine Society of Anesthesiologists, Inc., Dagupan City, Pangasinan, Philippines, May 2007
- ***BALLOON KYPHOPLASTY FOR VERTEBRAL COMPRESSION FRACTURE***, Manila, Philippines, January 2007



- ***BALLOON KYPHOPLASTY FOR VERTEBRAL COMPRESSION FRACTURE***, Manila, Philippines, December 2006
- ***DISC PROSTHESIS IN MANAGEMENT OF BACK PAIN***, First Congress of the Association of Southeast Asian Pain Societies, Manila, Philippines, December 2006
- ***SURGICAL APPROACHES TO THE SPINE***, St. Luke's International Institute for Neurosciences Lecture Series, Surgical Neuroanatomy: Approaches to Brain, Spine and Peripheral Nerve Lesions, Quezon City, Philippines, November 2006
- ***UPDATES IN SPINE SURGERY***, Academy of Filipino Neurological Surgeons meeting, Mandaluyong City, Philippines, July 2006
- ***INITIAL MANAGEMENT OF SPINAL DYSRAPHISM***, 4<sup>th</sup> UPFANS Postgraduate Course. Neurology in Your Practice 4: Focus on Child Neurology and Neurosurgery by the UP-PGH Department of Neurosciences (The Pan Pacific Manila, Philippines) March 2006
- ***COMMON NEUROSURGICAL CONDITIONS***, Philippine Children's Medical Center – Lungsod ng Kabataan Nurses' Association seminar, Philippine Children's Medical Center, Quezon City, Philippines, February 2005
- ***NEUROENDOCRINOLOGY***, University of the Philippines-College of Medicine, Manila, Philippines, February 2005
- ***GUIDELINES IN MANAGEMENT OF CERVICAL SPINE INJURY***, Academy of Filipino Neurological Surgeons meeting, Manila, Philippines, March 2004
- ***GUIDELINES IN MANAGEMENT OF PEDIATRIC CERVICAL SPINE INJURY***, Philippine Children's Medical Center, Quezon City, Philippines, March 2004
- ***SURGICAL EMERGENCY IN STROKE***, 7<sup>th</sup> Joint Annual Convention of Critical Care (Clinical Competency in Critical Care Medicine), Manila, Philippines, February 2004
- ***PEDIATRIC HEAD INJURY***, lectured in the 5<sup>th</sup> Outreach Postgraduate Course of the Child Neurology Society of the Philippines (CNSP), Tagbilaran, Bohol, Philippines, February 2002

#### **CONTINUING MEDICAL EDUCATION AND WORKSHOPS**

- WFNS Spine Committee Consensus Meeting: Osteoporotic Spine Fractures, January 2021

- AFN Annual Meeting 2020, December 2020
- PSS Annual Meeting 2020, November 2020
- PSS Research Program 2020, June to October 2020
- WFNS Spine Committee Symposium: Surgery for Craniovertebral Junction Tumors (WFNS Spine Committee), August 2020
- WFNS Spine Committee Adult Degenerative Deformity Symposium (WFNS Spine Committee), June 2020
- Massive Open Distance eLearning Course on Module 2: Quality Assurance in Remote Teaching and Learning (Manila, Philippines) (University of the Philippines Open University), May 2020
- Massive Open Distance eLearning Course on Module 1: Remote Teaching and Learning: Concepts and Models (Manila, Philippines) (University of the Philippines Open University), May 2020
- Intra-operative Radiation Therapy (IORT) Hands-on Training (Manila, Philippines) (The Medical City – Augusto P. Sarmiento Cancer Institute), November 2019
- AOSpine Advanced Symposium – Degenerative Cervical Spine Diseases (Manila, Philippines), November 2019
- 9<sup>th</sup> Neuroscience International Symposium (Brain Connects: Bridging Brains – Enriching Minds) (St. Luke’s Medical Center-Global City, Philippines), October 2019
- 2019 WFNS Special World Congress (Beijing, China), September 2019
- AFN Regional Scientific Meeting and Symposium “Neurosurgery in the Province AFN Central and Northern Luzon, Unite!” (Cabanatuan City, Philippines), August 2019
- Prevention and Management of Complications of Spinal Access Surgery: 7<sup>th</sup> Live Tissue Course (Philippine Spine Society and Veterans Memorial Medical Center) (Manila, Philippines), August 2019
- 5<sup>th</sup> ASEAN MISST (Minimally Invasive Spine Surgical Techniques) Cadaveric Workshop and Congress (Manila, Philippines), June 2019

- The 17<sup>th</sup> Neurology UP-PGH Faculty and Alumni of the Neurosciences (UPFANS), Inc. Postgraduate Course. Evolution Devolution in Neurologic Care: Shifting Paradigms to the Community (Albay, Philippines), April 2019
- Stereotactic Body Radiation Therapy Postgraduate Course: Trends in Targeted Radiation Therapy for the Spine and Prostate (St. Luke's Medical Center – Global City, Metro Manila, Philippines), March 2019
- Operative Rotation for Hydrocephalus: Flexible Endoscopy Course, CURE Hospital for Children (Mbale, Uganda), February 2019
- APSS-PSS Davao Operative Spine Course (Davao City, Philippines), December 2018
- AFN Annual Meeting (Metro Manila, Philippines), December 2018
- The 5<sup>th</sup> WFNS Spine Committee Biennial Conference and The 22<sup>nd</sup> Annual Scientific Meeting of the Indonesian Neurosurgical Society (Meeting the Challenges Facing the Future) (Bali, Indonesia) October 2018
- Neuro-Spinal Surgery@80: Prof. P.S. Ramani 80 Years Young Celebrations (Mumbai, India) May 2018
- AFN Annual Meeting (Metro Manila, Philippines), December 2017
- St. Luke's Medical Center International Institute for the Neurosciences Postgraduate Course (Metro Manila, Philippines), October 2017
- Operative Course on Spinal Deformities (The Philippine Spine Society and The Medical City, Metro Manila, Philippines), October 2017
- The Brigham and Harvard Lectures in Clinical Neurology and Neuroanatomy (Metro Manila, Philippines), September 2017
- WFNS XVI World Congress of Neurosurgery (Istanbul, Turkey), August 2017
- Spine Summit 2017 – 33<sup>rd</sup> Annual Meeting of the Section on Disorders of the Spine and Peripheral Nerves (Las Vegas, USA), March 2017
- AFN Annual Meeting (Metro Manila, Philippines), December 2016
- The 4<sup>th</sup> WFNS Spine Committee Biennial Conference and The 1<sup>st</sup> SLMC-GC Advanced Spine Care Service Conference with Cadaveric Workshop (Metro Manila, Philippines), September 2016

- The 14<sup>th</sup> Neurology UP-PGH Faculty and Alumni of the Neurosciences (UPFANS), Inc. Postgraduate Course (Manila, Philippines), April 2016
- Philippine College of Surgeons 71<sup>st</sup> Annual Clinical Congress (Mandaluyong City, Philippines), December 2015
- 12<sup>th</sup> Meeting of the Asian Society for Neuro-oncology (in conjunction with WFNS Neuro-oncology Committee) (Manila, Philippines), September 2015
- SRS and SBRT Delivery with Eclipse and TrueBeam (The UAB School of Medicine) (Birmingham, Alabama, USA), August 2015
- 83<sup>rd</sup> American Association of Neurological Surgeons Annual Scientific Meeting (Washington, D.C., USA), May 2015
- The 13<sup>th</sup> Neurology UP-PGH Faculty and Alumni of the Neurosciences (UPFANS), Inc. Postgraduate Course (Manila, Philippines), March 2015
- Philippine College of Surgeons 70<sup>th</sup> Annual Clinical Congress (Mandaluyong City, Philippines), December 2014
- WFNS Spine Committee's Third Bi-Annual Conference 2014, Cartagena, Colombia, September 2014
- Philippine Advanced Neuroendoscopy Symposium (Bonifacio Global City, Philippines), June 2014
- Richard Wolf Spine Endoscopy Course (New Jersey, USA), April 2014
- 82<sup>nd</sup> American Association of Neurological Surgeons Annual Scientific Meeting (San Francisco, California, USA), April 2014
- Asian Australasian Society of Neurological Surgeons (AASNS) Educational Course (Manila, Philippines), December 2013
- WFNS XV World Congress of Neurological Surgery (Seoul, Korea), September 2013
- NSSA (Neuro Spinal Surgeons Association India) 2013 (Pune, India), September 2013
- Baxter Biosurgery Institute Hands-On Workshop (Hongkong), April 2013
- 18<sup>th</sup> ASEAN Congress of Neurological Surgeons (Cebu City, Philippines), March 2013

- Philippine College of Surgeons 68<sup>th</sup> Annual Clinical Congress (Mandaluyong City, Philippines), December 2012
- 62<sup>nd</sup> Annual Meeting of the Congress of Neurological Surgeons, Chicago, USA, October 2012
- WFNS Spine Committee's Second Bi-Annual Conference 2012, Chicago, USA, October 2012
- The 10<sup>th</sup> Neurology in Your Practice (Cutting Edge Neurology), The University of the Philippines Faculty and Alumni of the Neurosciences, Incorporated and The Department of Neurosciences, UP-Philippine General Hospital (Manila, Philippines), February 2012
- Philippine College of Surgeons 67<sup>th</sup> Annual Clinical Congress (Mandaluyong City, Philippines), December 2011
- Investigator Meeting of the Cerebrolysin Asian Pacific Trial in Acute Brain Injury and Neurorecovery (The Captain Trial) (Daejeon, Korea), November 2011
- Kuching Operative Spine Course (Sarawak General Hospital, Kuching, Malaysia), September 2011
- International Symposium on Brain Metastases and Gliomas (St. Luke's Medical Center – Bonifacio Global City, Philippines), September 2011
- 2011 Neurosurgical Scientific Congress: Trends in Neurosurgery for the Specialist and Generalist (Makati Medical Center, Makati City, Philippines), August 2011
- International Symposium on Stem Cell Therapy (St. Luke's Medical Center – Bonifacio Global City, Philippines), April 2011
- 27<sup>th</sup> Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (Phoenix, Arizona, USA), March 2011
- Special Course VIII: Peripheral Nerve Exposures and Nerve Repair Techniques, AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (Phoenix, Arizona, USA), March 2011
- Philippine College of Surgeons 66<sup>th</sup> Annual Clinical Congress (Mandaluyong City, Philippines), December 2010
- 8<sup>th</sup> Asian Congress of Neurological Surgeons (ACNS 2010) (Kuala Lumpur, Malaysia), November 2010

- 1<sup>st</sup> Epilepsy Surgery Forum (St. Luke's Medical Center-Bonifacio Global City, Philippines), September 2010
- Philippine College of Surgeons – Philippine Journal of Surgical Specialties Workshop for Surgical Journal Editors (Mandaluyong City, Philippines), July 2010
- 1<sup>st</sup> WFNS-ICASS WFNS Spine Committee Conference, 14<sup>th</sup> ICSM International Conference Spine Management, 15<sup>th</sup> PERSPEBSI Annual Meeting of Indonesian Neuro-Surgical Society (Bali, Indonesia), June 2010
- WFNS Educational Course (St. Luke's Medical Center-Bonifacio Global City, Philippines), May 2010
- 18<sup>th</sup> International Training Course for Full-Endoscopic Operations of the Lumbar, Thoracic and Cervical Spine (Herne/Cologne, Germany), March 2010
- UP-6<sup>th</sup> Annual Cerebrovascular Professor's Lecture by the UP-PGH Section of Neurosurgery (UP College of Medicine, Manila, Philippines), February 2010
- 6<sup>th</sup> St. Luke's International Symposium on Neurosciences – Basic Science of Neurocritical Care (St. Luke's Medical Center – Bonifacio Global City, Philippines), January 2010
- Philippine College of Surgeons 65<sup>th</sup> Annual Clinical Congress (Pasay City, Philippines), December 2009
- Medtronic Live 3<sup>rd</sup> Minimal Access Spinal Technology Course (Singapore) November 2009
- Neurology and Neurosurgery Fusion (A Joint PNA-AFN Meeting): Neurology and Neurosurgery Interface - From Definition of Boundaries to Clarity of Vision (Makati City, Philippines), September 2009
- WFNS XIV World Congress of Neurological Surgery (Boston, Massachusetts) August-September 2009
- Wooridul Spine International Minimally Invasive Spine Surgery Cadaver Workshop (Percutaneous Endoscopic Cervical Discectomy and Percutaneous Endoscopic Lumbar Discectomy) (Singapore), April 2009
- UP-PGH Faculty and Alumni of the Neurosciences, Inc. (UPFANS, Inc.) 7<sup>th</sup> Neurology in your Practice – Emergencies, Controversies and Updates (Manila, Philippines), February 2009

- Philippine College of Surgeons 64<sup>th</sup> Annual Clinical Congress (Mandaluyong City, Philippines), December 2008
- 13<sup>th</sup> ASEAN Congress of Neurological Surgeons (with WFNS Education Course) (Kuala Lumpur, Malaysia), December 2008
- 1<sup>st</sup> World Congress of Minimally Invasive Spine Surgery and Techniques (with Workshops on Percutaneous Endoscopic Procedures, Interventional Pain Management Therapy, Posterior Dynamic Stabilization/Minimally Invasive Fusion Surgery and MED (Hawaii, USA), June 2008
- Philippine College of Surgeons 63<sup>rd</sup> Annual Clinical Congress: Evidence-Based Decision Making in Surgery (Mandaluyong City, Philippines), December 2007
- 29<sup>th</sup> PNA Annual Convention: Philippine Neuroscience, A 35 Year Odyssey in Achieving Quality Education, Research and Health Care Delivery (Cagayan de Oro City, Philippines), November 2007
- St. Luke's Medical Center Neuro-Ophthalmology Symposium: Unraveling Neurologic Mysteries (St. Luke's Medical Center, Quezon City, Philippines), October 2007
- St. Luke's Medical Center Residency Program Director's Course: Educating the Educators (St. Luke's Medical Center, Quezon City, Philippines), October 2007
- X-Stop Interspinous Process Decompression Workshop (Kyphon, Philippine General Hospital, Manila, Philippines), October 2007
- Combined Philippine Spine Society and 3<sup>rd</sup> Asian Hospital Spine Symposium: Controversies in Spinal Surgery (Asian Hospital and Medical Center, Muntinlupa, Philippines), September 2007
- 4<sup>th</sup> Southeast Asian Educational Course in Pediatric Neurosurgery (by The International Society of Pediatric Neurosurgery and The Academy of Filipino Neurosurgeons, Inc., Manila, Philippines), August 2007
- Current Trends in the Management of Malignant Gliomas (Tokyo, Japan), April 2007
- 3<sup>rd</sup> Cerebrovascular Professor's Lecture and Forum by the UP-PGH Section of Neurosurgery (UP College of Medicine, Manila, Philippines), March 2007
- The 7<sup>th</sup> Annual International Congress on Cerebral Revascularization (Practical Anatomy and Surgical Education of St. Louis University, St. Louis, Missouri, USA), January 2007

- First Congress of the Association of Southeast Asian Pain Societies: ASEAN Going Global, Filling the Gap between Bench and Bedside (Manila, Philippines), December 2006
- Neurology and Neurosurgery Fusion (A Joint PNA-AFN Meeting): Defining the Boundaries or Blurring Them (Makati City, Philippines), November 2006
- Surgical Neuroanatomy: Approaches to Brain, Spine and Peripheral Nerve Lesions by St. Luke's International Institute for Neurosciences (Quezon City, Philippines), November 2006
- The Balloon Kyphoplasty Surgeon Training Program by Kyphon (Manila, Philippines), July 2006
- Minimally Invasive Spinal Techniques by The American Association of Neurological Surgeons (Practical Anatomy and Surgical Education of St. Louis University, St. Louis, Missouri, USA), June 2006
- 1<sup>st</sup> Prestige LP Advanced Cervical Disc Arthroplasty Course by Sofamor Danek (Singapore General Hospital, Singapore), May 2006
- Cadaveric Workshop on Cervical Lateral Mass and Thoracolumbar Screw Fixation by the Philippine Spine Society and Medtronic (University of Sto. Tomas Hospital, Manila, Philippines), May 2006
- 2<sup>nd</sup> Cerebrovascular Professor's Lecture and Forum by the UP-PGH Section of Neurosurgery (UP College of Medicine, Manila, Philippines), March 2006
- 4<sup>th</sup> UPFANS Postgraduate Course. Neurology in Your Practice 4: Focus on Child Neurology and Neurosurgery by the UP-PGH Department of Neurosciences (The Pan Pacific Manila, Philippines) March 2006
- International Symposium on Neuro-Oncology: Multidisciplinary Approach to Brain and Spinal Cord Tumors by the St. Luke's Medical Center Institute for Neurosciences (Mandarin Oriental Manila, Makati, Philippines) January 2006
- Visiting Clinical Observership Program of The Cleveland Clinic Spine Institute (The Cleveland Clinic Foundation, Cleveland, Ohio, USA) October 2005
- Shaped Beam Radiosurgery Tutorial Course by the University of California, Los Angeles – Neurosurgery (University of California, Los Angeles, USA) October 2005
- Strategies in Medical Education Workshop II Series 12 – “Innovations in Medical Curriculum” (Medical Education Unit, UP College of Medicine, Manila, Philippines) September 2005



- Advanced Pneumatic Instrumentation for Neurosurgeons by the Midas Rex Institute (Manila, Philippines) July 2005
- Third Southeast Asian Educational Course in Pediatric Neurosurgery by the International Society for Pediatric Neurosurgery and Academy of Filipino Neurosurgeons (Philippine Children's Medical Center, Quezon City, Philippines) July 2005
- International Workshop in Advanced Techniques for Percutaneous Pedicle Screw Fixation and Cervical Total Disc Replacement by the Sofamor Danek and Wooridul Spine Hospital (Wooridul Spine Hospital, Seoul, Korea) May 2005
- Cadaver Workshop on Thoraco-lumbar Pedicle Screw Insertion Technique by the University of Santo Tomas Hospital Orthopedic Care Center and the Philippine Spine Society (Orthopedic Learning Center of the University of Santo Tomas Hospital, Manila, Philippines) April 2005
- Acute Brain Attack (Stroke Center – Institute for Neurosciences, St. Luke's Medical Center, Quezon City, Philippines) April 2005
- Strategies in Medical Education Workshop III Series 12 – “Objectives Setting and Instructional Design” (Medical Education Unit, UP College of Medicine, Manila, Philippines) April 2005
- Orientation Workshop on Community Oriented Medical Education (COME): The Faculty and COME (College of Medicine, UP Manila, Manila, Philippines) March 2005
- Strategies in Medical Education Workshop I Series 12 – “Process of Value Development” (Medical Education Unit, UP College of Medicine, Manila, Philippines) February 2005
- 1<sup>st</sup> UP-PGH Neurosurgery Visiting Professor's Lecture: Basic Neuroradiology and Endovascular Surgery (UP College of Medicine, Manila, Philippines), February 2005
- 5<sup>th</sup> Annual Convention of The Stroke Society of the Philippines: Emerging Diagnostic Modalities and Therapeutic Interventions in Acute Brain Attack (Tagaytay City, Philippines), August 2004
- Cleveland Spine Review Course by The Cleveland Clinic Foundation Center for Continuing Education (The Cleveland Clinic Foundation, Cleveland, Ohio, USA), May 2004

- 1<sup>st</sup> Practical Neuroendoscopy Workshop (Philippine Children's Medical Center, Quezon City, Philippines), November 2003
- 10<sup>th</sup> ASEAN Congress of Neurological Surgery (Singapore), December 2002
- MIDAS REX Hands-on Workshop for Neurosurgeons - Humedical (S) Pte Ltd (Singapore), December 2002
- 5<sup>th</sup> Combined Meeting of Spinal and Pediatric Sections, Asia-Pacific Orthopedic Association (Singapore), October 2002
- 2<sup>nd</sup> International Mt. Bandai Symposium for Neurosciences (Fukushima, Japan), October 2001
- WFNS 12<sup>th</sup> World Congress of Neurosurgery (Sydney, Australia), September 2001
- WFNS Neurosurgery Course (Singapore), January 2001
- 9<sup>th</sup> ASEAN Congress of Neurological Surgery (Manila, Philippines), October 2000
- Monthly meetings of the Academy of Filipino Neurosurgeons, Inc.

## **EDUCATION AND TRAINING/AWARDS**

Clinical Spine Fellowship Training, NATIONAL NEUROSCIENCE INSTITUTE-SINGAPORE (August 2002 – January 2003)

Neurosurgical Residency Training, UP-PHILIPPINE GENERAL HOSPITAL, Manila, Philippines (1997-2001)  
Most Outstanding Resident (January - September 2001)

Internship Training, UP-PHILIPPINE GENERAL HOSPITAL, Manila, Philippines (May 1995 – April 1996)

Degree of Doctor of Medicine, UNIVERSITY OF THE PHILIPPINES-COLLEGE OF MEDICINE, Manila, Philippines (1991-1996)  
Most Outstanding Student (1992)

BS Biology Degree, Magna Cum Laude, ATENEO DE MANILA UNIVERSITY, Quezon City, Philippines (1987-1991)  
Most Outstanding Kapampangan for 1992 (for excellence in academics, leadership and research)

Ten Outstanding Students of the Philippines Awardee for 1991

BPI Science Awardee for 1991

**CERTIFICATIONS**

Fellow, PHILIPPINE SPINE SOCIETY (December 2018)

Fellow, PHILIPPINE COLLEGE OF SURGEONS (December 2005)

Fellow, ACADEMY OF FILIPINO NEUROSURGEONS, INC. (December 2003)

Diplomate, PHILIPPINE BOARD OF NEUROSURGERY (December 2002)

Certification as Physician by the PHILIPPINE BOARD OF MEDICINE (September 1996)