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EDUCATION

- 2011 Doctor of Philosophy in Education Major in Educational Management, The Graduate School, University of Santo Tomas, Manila, Philippines
- 2003 Master of Science in Clinical Epidemiology, UP College of Medicine, Manila, Philippines
- 1981 Doctor of Medicine, Faculty of Medicine and Surgery, University of Santo Tomas, Manila, Philippines

RESEARCH EXPERIENCE

Senior Associate Researcher at the Research Center for Social Science and Education, and the Research Center for the Health Sciences all at the University of Santo Tomas, Manila, Philippines.

Resource Person and Panel Member of Technical Working Groups for health policies and health laws at the UP Health Policy Development Hub, the Dangerous Drugs Board, the Philippine National Formulary, the Department of Health, and the Philippine Senate and Congress Blue Ribbon Committees and Committees on Health.

Part inter-alia of multi-institutional and interdisciplinary collaborative research grants from the International Federation of Catholic Universities (IFCU), the United Nations Development Programme (UNDP), the Metro Manila Health Research Development Hub (MMHRDH), the Philippine Institute for Traditional and Alternative Health Care (PITAHC), and the Middle East Cancer Consortium (MECC).

HONORS AND DISTINCTIONS

- 2021 2021 Metrobank Outstanding Teacher in Higher Education
- 2017 26th Jose Rizal Award for Academe by the Philippine Medical Association
- 2014 26th Quintin J. Gomez Award as Most Outstanding Filipino Anesthesiologist by the Philippine Society of Anesthesiologists
- 2012 Most Outstanding Professional in Medicine by the Professional Regulation Commission
- 2012 First Eric Nubla Most Outstanding Professional by the Professional Regulation Commission
- 2010 International Award For Research in The Basic Science by the International Association for the Study of Pain (IASP)
- 2003 UST Dangal Award Gawad Santo Tomas As Outstanding Faculty Researcher For Science And Technology
- 2000-Present UST OVRII Biennial Rector's Award For Research (Gold and Silver Series and International Award)
- 1987 USTMAA Tri-state Research Award
- 1987 Colegio Medico-Farmaceutico De Filipinas, Inc. Research Award

PROFESSIONAL MEMBERSHIPS

Member of the National Research Council of the Philippines (NRCP)

Member of the Philippine Association of Medical Journal Editors (PAMJE) and the Asia Pacific Association of Medical Editors (APAME)

PROFESSIONAL ACTIVITIES

2018-2020 President, Philippine Society of Experimental and Clinical Pharmacology

2017-2019 President, Regional Anesthesia Society of the Philippines (RASPhil),

2015-2017 President, Asian and Oceanic Society of Regional Anaesthesia and Pain Medicine

2014-2016; 2022-2024 President, Philippine Medical Association (PMA)

2010-2012 President, Philippine Society of Anesthesiologists (PSA)

2001-2003 President, Society for Obstetric Anesthesia of the Philippines (SOAP)

PUBLICATIONS

1. Current practices in cancer pain management in Asia: a survey of patients and physicians across 10 countries. ACHEON Working Group, YC Kim, JS Ahn, MMP Calimag, TC Chao, et al. *Cancer Medicine* 4 (8), 1196-1204
2. Opioid Use in the Philippines — 20 years after the Introduction of the WHO Analgesic Ladder. FO Javier, MMP Calimag. *European Journal of Pain Supplements* 1, 19-22
3. Development and validation of interprofessional learning assessment tool for health professionals in continuing professional development (CPD). IL Ong, MJS Diño, MMP Calimag, FA Hidalgo. *PLoS One* 14 (1), e0211405
4. Inadequate treatment practices for pain relief and adverse event management in cancer patients across 10 countries/regions in Asia: a call for greater efforts to improve standards for patient care. KY Ho, JS Ahn, MM Calimag, TC Chao, YC Kim, H Moon, LM Tho, ZJ Xia, et al. *Asia-Pacific Journal of Clinical Oncology* 14 (3), 159-166
5. Herb-Drug Interactions. MMP Calimag. www.geocities.com/mmsi1902/herbal_aware.htm
6. Current Challenges and Evolving Strategies in Implementing Cancer and Palliative Care Services in the Philippines. MP Calimag, M Silbermann. *British Journal of Cancer Research* 2 (2), 257-263
7. ‘When all think alike, then no one is thinking’: Understanding the Praxis of Creative Insubordination as a Decision-Making Strategy in Philippine Medical Schools. MMP Calimag, AB de Guzman. *Journal of Medicine, University of Santo Tomas* 6 (1), 916-928
8. Life in a Tightrope: An Interpretive Phenomenological Analysis of Narratives of Coping with Academic Stress among Filipino Medical Students. E Garan-Giller, D Dator, M Juan, G Querubin, T Sevilla, MMP Calimag. *Journal of Medicine University of Santo Tomas* 3, 248-259
9. Developing a valid and reliable assessment of knowledge translation (KT) for continuing professional development program of health professionals. IL Ong, MJS Diño, MMP Calimag, FA Hidalgo. *PeerJ* 6, e5323
10. The Social and Cultural Dimensions of Health as a Research Agenda: Establishing the Need for a Research Interest Group (RIG) in Social Medicine. MMP Calimag. *Journal of Medicine University of Santo Tomas* 1, 1-4
11. Empowering the Filipino Physician through Continuing Professional Development in the Philippines: Gearing towards ASEAN Harmonization and Globalization. MMP Calimag. *Journal of Medicine University of Santo Tomas* 1, 121-132
12. A Phenomenography of Competing Mindsets in Coping with Chronic Pain among Filipino Older Persons. APP Calimag, MMP Calimag. *Philippine Journal of Anesthesiology* 23 (1), 35-43
13. Evaluating Pain Management Practices for Cancer Patients among Health Professionals: A Global Survey. *Journal of Palliative Medicine*.
14. Community-based palliative care for chronic cancer patients in the Philippines. MMP Calimag. *Palliative Care for Chronic Cancer Patients in the Community*, 563-571
15. The ePortfolio: Technology-Enhanced Authentic Assessment in the Continuum of Medical Education. MMP Calimag. *Handbook of Research on Determining the Reliability of Online Assessment and Distance Learning*.
16. The PAINS Typology of Health Literacy Perspectives among Filipino Chronic Non-malignant Pain Sufferers: A Q Methodology Study. MMP Calimag. *Journal of Medicine, University of Santo Tomas* 4 (1), 394-406
17. Developing a valid and reliable assessment on knowledge translation in the continuing professional development (CPD) of health professionals. IL Ong, MJS Diño, MMP Calimag, FA Hidalgo. *PeerJ Preprints* 6, e26861v1
18. Patients’ perspectives on the current status of cancer pain management in Asia. LM Tho, MMP Calimag, JS Ahn, TC Chao, KY Ho, YC Kim, ZJ Xia, L Ward, et al. *European Journal of Cancer* 51, e33-e34

19. Health Databases in the Era of Information Technology: The Philippine Scene. MMP Calimag. *Japan Medical Association Journal: JMAJ* 57 (4), 207-211
20. Unsafe Injecting Drug Use, a Growing Source of HIV Transmission in the Philippines: Implications to Policy. AF de Jesus, MP Calimag, APMCA Gonzales, APFI Rey
21. Philippine Policies On Illicit Drugs: History, Content, Process and Outcome. AF de Jesus, MMP Calimag, PDCM Doma, FI Rey, RJH de Jesus, et al.
22. It is the journeying not the destination': Mapping the zones of creative insubordination in Philippine medical schools. MMP Calimag, ABD Guzman. *Asian Journal of Educational Research and Synergy* 2 (2)
23. The Role and Impact of Female Health Workers on the Well-Being of Global South Communities: A Call for Gender-Transformative Action. MMP Calimag, M Silbermann. *Archives of Women Health and Care* 5 (2), 1-7
24. Efecto de una intervención educativa de presentación de casos en video basada en la teoría del comportamiento planificado sobre la adopción de comportamientos de salud oral entre los pacientes dentales: un estudio cuasi-experimental. J Macapagal, MM Calimag. *Odvotos-International Journal of Dental Sciences* 23 (2), 148-160
25. Meaning-Making in Coping with Cancer: The Impact of Spirituality and Culture among Cancer Patients in the Philippines. MMP Calimag. *Global Perspectives in Cancer Care: Religion, Spirituality, and Cultural Diversity in Health and Healing*
26. The COPE Typology of Coping with Stressors at Sea among Filipino Merchant Marine Ratings: AQ Methodology Study. CM Mendoza, MMP Calimag, SO Salvador. *Journal of Medicine, University of Santo Tomas* 5 (2), 722-731
27. Surfacing Anger and Anxiety in Graduate Research Writing: A Prose Poetic Journey. MMP Calimag. *Journal of Medicine University of Santo Tomas* 5 (2), 675–86.
28. Betwixt and Between: Exploring the Liminal Space of the 'First Generation' Filipino Physician Through the Lens of the Rites of Passage. LGP Garcia, MMP Calimag, AC Baroque II, MLP Corrales-Joson. *Journal of Medicine, University of Santo Tomas* 5 (1), 564-571
29. Technagogy-enhanced continuing professional development (CPD) for health professionals: design and evaluation. IL Ong, MJS Diño, MJ Leus, MMP Calimag, FA Hidalgo. *SN Social Sciences* 1 (4), 1-22
30. The Anesthesiologist amidst a Pandemic: Storying an Alternate History provides Insights to improve the Practice of Anesthesiology in a VUCA World. MMP Calimag. *Hypothesis Historia Periodical* 1, 71-91
31. Embracing the VUCA Response to Overcome the Mental Health Challenges of the VUCA World. MMP Calimag, FC Navidad. *Journal of Social Health* 4 (2), 1-4
32. Effect of a Video-Based Case Presentation Educational Intervention Anchored on the Theory of Planned Behavior on Adoption of Oral Health Behaviors Among Dental Patients: A Quasi-Experimental Study. J Macapagal, MM Calimag. *Odvotos [online]* 23 (2), 2215-3411
33. Factors Associated with Out-of-Pocket Expense for Shockwave Lithotripsy in the Philippines: Implications for Health Policy. FY Sy, MMP Calimag. *Philippine Journal of Urology* 30 (2), 92-100
34. Effect of a Video-Based Case Presentation Educational Intervention Anchored on the Theory of Planned Behavior on Adoption of Oral Health Behaviors Among Dental Patients. J Macapagal, MMP Calimag. *Odvotos-International Journal of Dental Sciences*, 363-375
35. Research and the Social Agenda: The Tale of Two Rivers (Of Dead Rivers and the River of Life). MMP Calimag. *Journal of Medicine, University of Santo Tomas* 4 (2), 546–551
36. We Got to Move it, Move it: The Lived Experiences of Family Carers of Youth with Chronic Neurodevelopmental Disorders as They Enter into Adult Health Care. Sy, M. G., Calimag, MM P., Sagun, R. Q. de, & Valencia. *Journal of Medicine, University of Santo Tomas* 4 (2), 486–499
37. Natural Family Planning Methods: A Scoping Review. MMP Calimag, MCZ Gamilla,, EAT Dirige,, DHP Do, RVC Dubozet,, CMJ Dumaul,, KDL Duncan. *Journal of Social Health* 3 (1), 39-75
38. Strategic Management Practices of Medical Technology Deans: Tackling Organizational Challenges Through Sun Tzu's Art of War. MLR Olano, MMP Calimag, MFZ Hapan
39. Palliative Care Research: Issues and Challenges in Developing and Resource-constrained Countries with Focus in Southeast Asia. MMP Calimag. In Silbermann M (Eds). *Palliative Care: The Role and Importance of Research in Promoting Palliative Care (reports from Developing Countries) Volume 3*
40. Inventory of Reflective Vignette—Interprofessional Learning. IL Ong, MJS Dino, MMP Calimag, FA Hidalgo. *PsycTESTS Dataset*
41. Current Challenges and Evolving Strategies in Implementing Cancer and Palliative Care Services in the Philippines. MMP Calimag, M Silbermann. *British Journal of Cancer Research* 2 (2), 257-263
42. Choice-Based Preference of Health Professionals for Continuing Professional Development. IL Ong, MJS Dino, MMP Calimag, FA Hidalgo. *Philippine Journal of Medicine* 1 (5)
43. Palliative Care Research: Issues and Challenges in Developing and Resource-constrained Countries with Focus in Southeast Asia. MMP Calimag. *Palliative Care* 3, 321-334
44. 'I am who I am': A phenomenology of strategic roles portrayed by creatively insubordinate Filipino medical academic leaders. MMP Calimag, AB de Guzman. *Journal of Medicine University of Santo Tomas* 3, 224-236
45. Patient Perception of Medical Student Engagement in Community-based Outreach Activities during Community Health Clerkship: A Q-Methodology Study. APP Calimag, MMP Calimag. *Journal of Medicine, University of Santo Tomas* 1, 98-108

46. Segmenting Students according to Motivation and Perceived Task Performance on the Use of Ultrasound in Anatomy Class at a Philippine Medical School: A Q Methodologic Analysis. MMLD Gellaco, MMP Calimag. 14th Asian and Oceanic Society of Regional Anesthesia and Pain Medicine Congress
47. Legacy-driven Leadership at the Philippine Medical Association: Embodying Authentic, Bold, Change and Dynamic Leadership. MMP Calimag. <https://www.researchgate.net/publication/319632487> DOI: 10.13140/RG.2.2.20571.03369
48. An Outcomes-Based Framework for Technology Integration in Medical Education: The 21st Century Agenda. MMP Calimag. *Journal of the Association of Philippine Medical Colleges* 1 (1)
49. Philippine Medical Association: Country Report 2015-2016. MMP Calimag. *Japan Medical Association Journal: JMAJ* 58 (4), 263-281
50. Mother Nature and Food Safety: The 21st Century Health Agenda. MMP Calimag. *Japan Medical Association journal: JMAJ* 58 (4), 192
51. Integration of Ultrasound in the Gross Anatomy Curriculum: Students' Reflection on Experiential Learning in a Philippine Medical School. PL Gonzaga, MMP Calimag, JMR Caja, ES Gonzaga. 14th Asian and Oceanic Society of Regional Anesthesia and Pain Medicine
52. Cancer pain management practices and their impact on quality of life for Asian cancer patients. YC Kim, H Moon, JS Ahn, MMP Calimag, TC Chao, KY Ho, LM Tho, et al. *Journal of Clinical Oncology* 33 (15_suppl), 6531-6531
53. A Time to Lead at the Philippine Medical Association: Journeying with Commitment, Confidence, Conviction, and Character. MMP Calimag. <https://www.researchgate.net/publication/327593094> DOI: 10.13140/RG.2.2.27281.92005
54. Philippine Medical Association: Country Report 2014-2015. MMP Calimag. *Japan Medical Association Journal: JMAJ* 57 (4), 274-275
55. Of Drips and Drops: The Anesthesiologist as Clinical Pharmacologist. MMP Calimag. *Philippine Journal of Anesthesiology* 25 (1), 1-2
56. Encyclopedia of Common Medicinal Plants of the Philippines Vol 1. FM Dayrit, RAS Macahig, MMP Calimag, DA Madulid, IC Sia, G Ago, et al. Philippine Institute of Traditional and Alternative Health Care, Department ...
57. Twenty Five Years of the Society for Obstetrics Anesthesia of the Philippines: Celebrating the Birth of a Subspecialty in Philippine Anesthesiology. MMP Calimag. *Philippine Journal of Anesthesiology* 24 (2), 41-42
58. Immunization Schedule for Filipino Seafarers 2013: A Marcdoc Initiative. CM Mendoza, MMP Calimag, MR Bergantin, MI Alcaraz. *Archives des Maladies Professionnelles et de l'Environnement* 74 (5), 555
59. The Epistemological Development of the Medical Mind among Anesthesiologists: Polarity, Plurality and Perfectivity. MMP Calimag. *Philippine Journal of Anesthesiology* 24 (1), 29-35
60. Improving the Training Programmes in Anesthesiology in the 21st Century. MMP Calimag. 12th Asian and Oceanic Society of Regional Anaesthesia and Pain Medicine Congress
61. Anesthesiology Training Programmes in the 21st Century: Of Man, Models and Mannequins. MMP Calimag. *Philippine Journal of Anesthesiology* 24 (1), 1-2
62. Medical Economics of MH in Southeast Asia. EE Maria Minerva P Calimag. *Newsletter of the Malignant Hyperthermia Association of the United States (MHAUS)*
63. Safety in Anesthesiology: Embracing the Culture. MMP Calimag. *Philippine Journal of Anesthesiology* 23 (2), 49-50
64. National and Local Policies Related to AIDS and Drug Use: Content Review and Assessment. AF de Jesus, MP Calimag, APMCA Gonzales, APFI Rey
65. A phenomenography of competing mindsets in coping with chronic pain among Filipino older persons. MMP Calimag, APP Calimag, JM Ang, M De Mesa, J Mandapat, A Ong. *Philippine Journal of Anesthesiology* 23 (1), 35-43
66. Anesthesiology: Looking for the Art in the Science. MMP Calimag. *Philippine Journal of Anesthesiology* 23 (1), 1-2
67. Prolonged-release Oxycodone for Postoperative Pain Relief After Orthopedic Surgeries. MMP Calimag, ZM Mariano, MA Marcelo, ED Cerna. *Philippine Journal of Anesthesiology* 23 (1), 3-8
68. The Illicit Drug Policy Formulation in the Philippines: Policy, Polity and Plurality. MMP Calimag. *Philippine Policies on Illicit Drugs: History, Content, Process and Outcomes*
69. A Phenomenology of Creative Insubordination Praxis in Philippine Medical Schools. MMP Calimag, ABD Guzman. UST Graduate School
70. OR cancellations: Causes, Costs and Consequences in a Philippine Tertiary Government Hospital. M Quilala, MMP Calimag. *Philippine Journal of Anesthesiology* 21 (2), 60-73
71. Effect of ischemic preconditioning under hepatic inflow occlusion on the SGPT levels of domestic cats undergoing right hepatic lobectomy. JAY Ryan Oscar Aplicador, Alex A. Erasmo, Maria Minerva P. Calimag, Paolo et al. *Philippine Journal of Surgical Specialties* 63 (4), 154-159
72. An exploratory study on the neuromuscular junction activity of *cestrum nocturnum* extract in an in-vivo cat model. MBS Claire, MMP Calimag. *Philippine Journal of Anesthesiology* 20 (1), 1-8
73. Acoustic neuroma and pregnancy: A balancing act. RBA Maria Minerva P. Calimag. *Philippine Journal of Anesthesiology* 18 (2), 51-55
74. Development of a Comprehensive Self-administered pre-operative Health Assessment Questionnaire: A Risk Stratification Strategy. RTD Policarpio, MMP Calimag. *Philippine Journal of Anesthesiology* 18 (1), 12-20
75. Epidural nalbuphine + ropivacaine 0.1 percent with IV ketorolac for balanced postoperative analgesia: A randomized, double-blind, dose-finding study. MA Matignas, MMP Calimag. *Philippine Journal of Anesthesiology* 17 (1), 34-42

76. An exploratory study on the neuromuscular junction activity of *Cestrum nocturnum* extract in an in vivo cat model. SCS Martin-Braganza, MP Calimag. *DRUG SAFETY* 28 (10), 936-936
77. Pre-emptive, time contingent parecoxib for postoperative pain relief in patients for gynecologic operations. J Romquillo, MMP Calimag, L Lim. *Philippine Journal of Anesthesiologh* 17 (1), 43-52
78. Pre-emptive, Time-contingent Parecoxib versus Ketorolac for Postoperative Pain Relief in Patients for Gynecologic Operations. J Ronquillo, MMP Calimag. 5th Annual Meeting of the International Society of Pharmacovigilance Convention
79. Nebulized Midazolam: A New Mode of Sedation. JLM Toledo, MMP Calimag, RA Lopez. *Santo Tomas Journal of Medicine* 52 (2), 70-75
80. Pharmacologic Misadventure with Herb-Drug Interactions: A Systematic Review. MMP Calimag. *Philippine Journal of Anesthesiology* ISSN 0115-2386 15 (2), 82-89
81. Patterns of volatile anesthetic utilization among anesthesiologists in a tertiary teaching hospital: The need for a pharmacoeconomic "Wake-up" policy for the "Sleep Agents". MMP Calimag. *Philippine Journal of Anesthesiology* 15 (2), 90-95
82. Population Pharmacodynamics of 0.5% Hyperbaric Ropivacaine in the Epidural Space among Patients for Gynecologic Surgery. MMP Calimag. University of the Philippines
83. The Need for an Obstetric Preanesthetic Evaluation and Management Clinic: A Prescription for Change in Health Policy. MMP Calimag. *Philippine Journal of Anesthesiology* ISSN 0115-2386 13 (4)
84. Changing the Pre-anesthetic Evaluation Process for Obstetric Patients: A Utility Analysis. MMP Calimag. *Philippine Journal of Anesthesiology* 13, 87-91
85. Utilization Pattern of a Students Health Service: The UST Experience. DV Lerma, IM Lerma, MMP Calimag. *Santo Tomas Journal of Medicine* 50, 125-131
86. Pharmacokinetic profile of isobaric bupivacaine 0.5% and isobaric-hyperbaric mixture of bupivacaine 0.5% in the epidural space: A radionuclide study in dogs. L Javelosa, MM Calimag. *Philippine Journal of Anesthesiology* 11 (1), 28-31
87. Antimicrobial utilization patterns in a tertiary teaching/training hospital. C Danganan-Sayo, E Ang-Gan, et al. *Santo Tomas Journal of Medicine* 43 (1), 44-58
88. Validation of Indices for Predicting Optimal Tube Size and Length among Filipino Infants and Children. MH Macapinlac, RM Bautista, MMP Calimag. *Santo Tomas Journal of Medicine* 1, 17-25
89. Validation of indices for predicting optimal tube size and length among Filipino infants and children. MP Calimag, RM Bautista, MH Macapinlac. *Santo Tomas Journal of Medicine* 41 (3)
90. Assessment of gestational age in newborns: a comparison of physical and neurologic observations. MMPC Illuminada T. Meneses-Lerma. *The Journal of the Manila Medical Society* 25 (3), 9-12
91. Airway Management during Cardio-pulmonary Resuscitation in Filipinos: A New Perspective. J Canlas-Pajarillo, MMP Calimag, LR Castro. *Journal of the Philippine Medical Association* 63 (4), 139-145
92. A Probabilistic Approach in Predicting the Odds for Transfusion During Adult Surgery. MHC MMP Calimag. *Journal of the Manila Medical Society, Inc* 22 (3), 13-25
93. Trends among Family Planning Acceptors in an Urbanized Rural Community. MMP Calimag, S Pua. *Journal of the Manila Medical Society* 22, 41-47
94. Normative Data on Cricoid Ring Size among Adult Filipinos in Relation to Acquired Subglottic Stenosis. MMP Calimag. *Philippine Journal of Anesthesiology* 8 (1), 17-25
95. Filipino Tracheal Circumference as an Index of Correct Cuff Size: A Study on Volume-Pressure Relationships in Inflatable Cuffs. MMP Calimag. *Philippine Journal of Anesthesiology* 8 (2), 74-83