

Nippon Dental University
Niigata, Japan (1998-2000)

PhD in Dental Sciences

Department of Cariology and Operative Dentistry
Tokyo Medical and Dental University (2014-2018)

Doctor of Health Professions Education (DrHPed)

UP Manila NTTC-HP (2021 – ongoing)

**Mentor for UPCD, Clinical and Public Health Research
Training in Oral Health for Southeast Asia (Grant under
NIH, National Institute of Dental and Craniofacial
Research)**

Recipient: Khon Kaen University with UPCD as major
collaborator

Starting May 2022

2. Titles of classroom/laboratory/ward instructional materials, syllabi, workbooks, modules, course guides produced and used for the improvement of teaching

Oral Anatomy

1996	Syllabus in Oral Anatomy (revised in 2001)
1997	Laboratory Guide in Tooth Drawing and Carving
2006	Interactive Guide in Oral Anatomy (Digital)
2013	Blended learning syllabus for Oral Anatomy
2020	Course Pack for Oral Anatomy for Remote Learning (with Course Guide, Study Guides, Assignment Guides and Activity Guides) <ul style="list-style-type: none">• Nomenclature, Terminology, Terms of Orientation• Development of the Human Dentition• Permanent Molars• Dento-Osseous Structures• The Temporomandibular Joint• Trigeminal Nerves• Blood Vessels and Lymphatic Drainage Associated with the Oral Cavity• Tooth Drawing• Tooth Carving• Arrangement and Articulation of the Teeth
2020	Video Tutorials <ul style="list-style-type: none">• Tooth Drawing• Tooth Carving
2019	Oral Anatomy Online Tutorial/Remedial Course for Students have grades of incomplete or 4.0 via Schoology Platform

Introduction to Dental Research and Biostatistics (1st offered in 2019)

2019	Course Guide for Introduction to Dental Research and Biostatistics (Blended Learning)
2020	Course Pack for Introduction to Dental Research and Biostatistics for Remote Learning (with Course Guide, Study Guides, Assignment and Activity Guides) <ul style="list-style-type: none"> • Introduction to Dental Research • Research Design • Research Variables • Evaluating Research (Validity and Reliability) • The Research Protocol • Ethics in Research

Cariology

2021	Module for Caries Risk Assessment
2021	Module for Non-Surgical Management of Caries

Clinical Operative Dentistry

2020	Module for Management of Dental Caries
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Comprehensive Restorative and Esthetic Dentistry

2010	Developed the Short Course in Comprehensive Restorative and Esthetic Dentistry (CRED) with Dr. Armin Segarra
	Revised in 2014, 2017 to include additional topics and actual patient treatment
	Modules for: Minimally Invasive Restorative Procedures Laboratory Exercises for Dental Adhesives Anterior Composite Restorations Veneers Posterior Composites Smile Analysis and Smile Design

Enhancement Course in Oral Surgery for General Dentists

2014	Developed the Enhancement Course in Oral Surgery for Hospital Dentists with inputs from Dr. Natividad Gervasio and Dr. Irma Parajas initially offered for dentists in government hospitals; later on in was offered to General Dentists hence changed the name to Enhancement Course in Oral Surgery for General Dentists
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Dental Board Orientation (Board Review); Refresher Course

Oral Anatomy Review Lecture
Occlusion Review Lecture

3. List of books, chapter in books, professional articles (other than research)

Books

<u>Sunico-Segarra, MC</u> & Segarra A (2014). A Practical Clinical Guide to Resin Cements. Springer Publications, Heidelberg, Germany
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Articles other than research

<u>Sunico, MC.</u> (2006). The Dentist and the Mercury Issue. The Journal of the Philippine Dental Association; 57(2):51-57
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<u>Sunico MC.</u> (2003) Philippine laws, legislation and programs on dental waste management. The Journal of the Philippine Dental Association; 55(2): 38-40.

<u>Sunico MC</u> (2002) Dental waste management: Practical tips for the dental office. The Journal of the Philippine Dental Association; 54(1): 38-40.

Magazine Articles

That Thing Called Tooth Sensitivity, <i>Health.Care Magazine</i> . Feb-March 2015
Eat This, Not That: The Healthy Teeth Diet, <i>Health.Care Magazine</i> , 2015
Oral Health Care Plan, <i>Health.Care Magazine</i> , October – November 2015
The Road to Pearly White Smiles, <i>Health.Care Magazine</i> , Dec 2015 – Jan 2016
The Link Between Oral Health and Heart Disease, <i>Health.Care Magazine</i> , April – May 2016
Helping Your Teething Baby, <i>Health.Care Magazine</i> , February-March 2017
The Other Side of the Great Pearly White Teeth. <i>Health.Care Magazine</i> , Aug-Sept 2017
Taking Care of the Mouth and Throat: How to Beat the Summer Heat, <i>Health.Care Magazine</i> , April-May 2019
Healthy Mouth, Healthy Heart, <i>Health.Care Magazine</i> . February-March 2020
Essential Oils for Oral Health: What Does Science Say About Them? <i>Health.Care Magazine</i> , April-May 2021
Never Too Late: Adult Braces in Focus. <i>Health.Care Magazine</i> , December 2021 – January 2022

4. List/ description of creative works

UP College of Dentistry Pocket Museums

Under the Committee on Historical Buildings, several pocket museums in the building, featuring old equipment, instruments, artifacts and taped interviews were built for our young students to have a glimpse of history and life in UPCD back then.

5. Speaking engagements (state title of talk, venue, occasion, and date)

List of oral or poster presentations in national or international scientific conferences.

International
Segarra MS. Traditional and Newly-Developed Technologies of Diagnosing Early Tooth Cracks, Asian Academy of Preventive Dentistry, October 1, 2021 (Symposium)
Segarra MS. Depth of Cure of Different Cementing Media and Veneer Thickness. IADR General Sessions, Virtual Sessions, July 2021 (Poster Presentation)
Segarra MS. Analysis of Enamel Crack Patterns on Teeth Restored with Amalgam and Composite Resin. IADR General Sessions, Washington DC, March 2020 (Oral Presentation, abstract accepted and published, conference cancelled due to COVID-19)
Segarra MS. Environmentally Friendly Practices in Dentistry. 4 th International Global Green and Healthy Hospital Conference, Singapore, October 2019 (Oral Presentation)
Segarra MS. Analysis of Enamel Crack Patterns on Functional and Non-Functional Cusps Using 3D Swept-Source Optical Coherence Tomography. Okayama University, Japan. November 30, 2017 (Oral Presentation)
Segarra MS. Green Dentistry. 3 rd International Global Green and Healthy Hospital Conference. Tzu-Chi Hospital, New Taipei, Taiwan. October 2017 (Oral Presentation)
Segarra MS, Shimada Y, Sadr A, Sumi Y and Tagami J. 3-D Analysis of Enamel Crack Behavior Using SS-OCT. International Association of Dental Research, General Sessions. COEX, Seoul, South Korea June 23, 2016 (Oral Presentation)
Sunico-Segarra, MC, Shimada Y and Tagami J. Microshear Bond Strength of a Two-Step Self-Etch Adhesive using Different Application Modes. 34 th Asia Pacific Dental Congress, Kuala Lumpur, Malaysia, May 8 – 12, 2013.
Sunico-Segarra, MC. Understanding Nuances in the Use of Resin Cements: Classification, Indications and Guidelines for Practical Use. Academy of Operative Dentistry Annual Meeting, Chicago Illinois, USA February 29, 2012 (Table Clinics)

<p><u>Sunico MC (presenter)</u>, Shinkai K, Katoh Y. Clinical Performance of Class I and Class V Giomer Restorations. 2 year evaluation. 25th Asia Pacific Dental Congress, Manila Philippines April 2003.</p>
<p><u>Sunico MC (presenter)</u>, Shinkai K, Katoh Y. Clinical Performance of Class I and Class V Giomer Restorations. 6 months evaluation. 2nd International Giomer Symposium. Makuhari Messe, Chiba Japan 30 June 2001 (Oral Presentation)</p>
<p>Katoh Y, <u>Sunico MC (presenter)</u>, Shinkai K. Newly-developed diamond points for conservative operative procedures. Autumn Meeting, Japanese Association of Conservative Dentistry, Kitakyushu Japan. November 1999 (Poster Presentation)</p>
<p>LOCAL</p>
<p>Segarra, M. Teaching Cognitive and Psychomotor Skills in Oral Anatomy. UP Manila Science & Technology Week. December 2021.</p>
<p>Segarra, M. Success and Failures in Adhesive Restorations: Understanding the Material, the Bond and Applications. 110th PDA Annual Convention and Scientific Sessions. May 13, 2019</p>
<p>Smile Design. PDA Annual Convention, May 2, 2017</p>
<p>Bantegui MF, Salvador AD, <u>Sunico-Segarra MC</u>. The Effect of Flowable Composite and Mode of Polymerization on the Microleakage of Class V Composite Resin Restorations. Philippine Dental Association 103rd Annual Convention & Scientific Meeting, 19-24 November 2011 (Poster Presentation)</p>
<p>Segarra AG, <u>Sunico MC</u>, Uzzaman A, Shimada Y, Tagami J. Effect of surface treatment on microshear bond strength of conventional (multi-step) adhesive resin cement and self-adhesive (one-step) resin cement on enamel and dentin (with microscopic analysis). Manila, Philippines: Philippine Dental Association 100th Annual Convention & Scientific Meeting, 28 April – 2 May 2008 (Poster) Manila, Philippines: First Philippine Congress in Esthetic Dentistry, 20-21 January 2008 (Poster) Manila, Philippines: 9th National Institutes of Health Anniversary & 5th University Science and Technology Week, 12-16 February 2007 (Poster)</p>
<p>Segarra AG, <u>Sunico MC</u>, Nayif M, Nakajima M, Tagami J. The microtensile strength of incrementally packed and bulk packed composites. Manila, Philippines: Philippine Dental Association 99th Annual Convention & Scientific Meeting, 30 April-5 May 2007 (Poster) Manila, Philippines: First Philippine Congress in Esthetic Dentistry, 20-21 January 2008 (Poster) Manila, Philippines: 9th National Institutes of Health Anniversary & 5th University Science and Technology Week, 12-16 February 2007 (Poster)</p>
<p>Dental Waste Management. Philippine Dental Association 99th Annual Convention & Scientific Meeting, 30 April-5 May 2007 (Oral Presentation)</p>

<p><u>Sunico MC.</u> Clarifying Issues on Amalgam Removal and Mercury Detoxification. Manila, Philippines: Philippine Dental Association 99th Annual Convention & Scientific Meeting, 30 April-5 May 2007 (Poster) Manila, Philippines: First Philippine Congress in Esthetic Dentistry, 20-21 January 2008 (Poster) Manila, Philippines: 9th National Institutes of Health Anniversary & 5th University Science and Technology Week, 12-16 February 2007 (Poster)</p>
<p><u>Sunico MC.</u> The Role of Dentists in the Amalgam Controversy. Manila, Philippines: Philippine Dental Association 98th Annual Convention & Scientific Meeting, 1-6 May 2006 (Poster)</p>
<p><u>Sunico MC.</u> Choosing the Right Material for Esthetic Restorations, Manila, Philippines: Philippine Dental Association 98th Annual Convention & Scientific Meeting, 1-6 May 2006</p>
<p><u>Sunico MC.</u> Effect of Application Modes on the Shear Bond Strength of Self-Etching Primers. Manila, Philippines: Philippine Dental Association 97th Annual Convention and Scientific Meeting, 03 May 2005 (Oral Presentation)</p>
<p><u>Sunico MC.</u> Esthetic Restorations with Recent Materials, Manila, Philippines, The 3rd Asian Dental Forum. 29 August 2004 (Oral Presentation)</p>
<p><u>Sunico MC.</u> Criteria, Guidelines and Tips for Successful Posterior Composite Restorations, Manila, Philippines: Philippine Dental Association 96th Annual Convention and Scientific Meeting, 05 May 2004 (Table Clinics)</p>
<p><u>Sunico MC.</u> Enhancing Esthetics in Large Anterior Restorations, Manila, Philippines: Philippine Dental Association 94th Annual Convention & Scientific Meeting, 07 May 2002 (Oral Presentation)</p>
<p><u>Sunico MC.</u> Direct Tooth Colored Filling Materials, Manila, Philippines: Philippine Dental Association 95th Annual Convention and Scientific Meeting, 02 May 2001 (Oral Presentation)</p>
<p><u>Sunico MC.</u> Cosmetic Dentistry, Manila Philippines: Philippine Dental Association 90th Annual Convention and Scientific Meeting, 13-18 May 1998 (Oral Presentation)</p>
<p><u>Sunico MC.</u> Restoration of Badly Broken Down Teeth, Manila Philippines: Philippine Dental Association 87th Annual Convention and Scientific Meeting, 29 April to 06 May 1995</p>
<p><u>Sunico MC.</u> Dentin Bonding, Manila Philippines: Philippine Dental Association 85th Annual Convention and Scientific Meeting, 21 May 1993</p>

List of lectures/seminars/workshops for the professionals:

International

The Science of Mercury Pollution. Kuala Lumpur Malaysia and Penang Malaysia 17 July and 19 July 2006
The Role of Dentists in the Campaign to Eliminate Mercury. SouthEast Asia Mercury Conference, Philippine Heart Center 25-26 January 2006
Local
Matrices for Class II Composite Restorations. Luzon Area Convention. Via Zoom. January 2021.
Best Practices For Dental Waste Management during Covid 19 Era. PDA Abra and Ilocos Norte Dental Chapter, Dec 3, 2020; Negros Occidental Chapter & Capiz Dental Chapter, Dec. 21, 2020
Tooth Cracks, Erosions, and other Non-Cariogenic Lesions: Diagnosis and Treatment Options. Bacolod City Dental Chapter. November 27, 2020
Trash Talk: Dental Waste Disposal in the New Normal. UPDAA-ADI Joint Webinar, May 9, 2020.
Remineralization Strategies for Preventive and Restorative Dentistry. Roadmap to Success in Dental Treatment: An Advanced Approach. 3M Seminar Feb 19, 2019.
Merging Orthodontics with Restorative Dentistry. Cebu City April 15-16, 2018
Wear Your Crown: Be on Top of Your Indirect Restoration Procedure. 3M -Espe. March 12, 2018
Achieving Good Proximal Contacts in Composite Restorations UPCD-UPDAA Foundation Day Seminar, Crowne Plaza Hotel, Feb 4, 2018
Enhancing Your Practice with Advanced Esthetics, Asian Hospital. October 11, 2017
Emilio Aguinaldo College, 2017 Clinical Dentistry Conference. Emilio Aguinaldo College October 2, 2017
Smile Analysis and Smile Design. St. Luke's Hospital QC Sept 7, 2017
Tooth Cracks: Diagnosing and Understanding the Hidden Menace. Endodontic Society of the Philippines Annual Convention. Marco Polo Hotel, July 8, 2017.
Smile Design. PDA Annual Convention, May 2, 2017
Truth and Dare: Current Concepts in Caries Prevention & Intervention. UPDAA and 3M Health Care Academy Scientific Seminar. Quezon City Sports Club, Aug 10, 2016
Occupational Hazards in Dentistry. Philippine Dental Association Occupational Dental Health Course. April 6, 2016
Advances in Restorative Dentistry: Simplifying Everyday Restorative Procedures; Olongapo City Chapter Subic Bay, Freeport Zone March 4, 2016

Applying Smile Design Techniques in Everyday Practice. Philippine Prosthodontic Society, Aug 28, 2015
Resin Cements. Paranaque Dental Chapter February 18, 2015
International Caries Classification and Assessment System (ICDAS) PDA Regional Convention Cavite City, March 11, 2015
Perfecting Composite Restorations, National Dental Health Month, Cebu City, Feb 23, 2015
Smile Design, Philippine Prosthodontic Society, Aug. 28, 2015
Composite Restorations Techniques, 3M Innovation Center, The Fort, Taguig City, September 29, 2015
Shifting Paradigms in the Management of Caries. Evidence-Based Dentistry ADI, Quarterly Seminar, Academy of Dentistry International, Quezon City Sports Club, Aug 29, 2015
Shifting Paradigms in Caries Prevention and Treatment of Decayed Teeth in Children and Adolescents. Batangas City, Lipa City and Batangas Province Convention, 19 May 2011 and Philippine Navy. 29 June 2012.
Simple and Predictable Esthetics with Direct Composites. Lucena City. 31 January 2012
Understanding the Science and Perfecting the Art of Veneer Restorations: A recipe for success. Lecture and hand-on workshop. Pros-Apac/Bisco Training Center. 18 October 2011 and 7 December 2011
Occupational and Environmental Hazards in Dentistry. Mindanao Area Convention, General Santos City. Aug 2011; Bicol Area Convention, Naga City, 19 Sept. 2011
Prevention and Management of Post-Operative Sensitivity in Bonded Esthetic Restorations. PDA-Dolfenal Regional Convention. Davao City, Philippines. 29 August 2011.
Composite Revolution: A Practical Clinical Guide to Successful Direct Composite Restorations. Making your materials work for you and your patients. Lecture and hands-on workshop. Pros-Apac-Bisco Training Center, Manila. 6 July 2011
Treatment Planning for Veneers. Paranaque Dental Chapter. 03 April 2011; San Juan City Dental Chapter. 14 April 2011
Clarifying Issues on Amalgam Removal and Detoxification. Kapisanan ng Mga Dentista sa Bulacan (KADEBU) 31 March 2011
Practical Approaches to Predictable Veneers. 3M Customer Technical Center. 04 March 2011
Truth and Consequence. Ten Years After the Pearly White Trend: An In-Depth Look at Tooth Whitening. Quezon City Dental Society Inc. January 20, 2011
Dental Waste Management, Occupational Hazards and Dental Stress Management. UP-CPH Training Program for Private School Dentists, Bonaventure Building Ortigas May 24-26, 2010
Direct vs. Indirect Inlays” Weighing the evidence behind these restorations. San Juan City Dental Chapter; 26 March 2010

Simple and Predictable Esthetics: Learn and Unwind Seminar. Intercast Dental and Las Pinas Dental Society. 22 March 2010
Shifting Paradigms in Caries Prevention and Treatment of Decayed Teeth. Benguet Dental Chapter. 08 March 2010
Practical Approaches to Predictable Veneers 3M Customer Technical Center Makati February 21, 2010
Current Issues in Esthetic Dentistry. Philippine Academy of General Dentistry. 07 February 2010
Simple and Predictable Esthetics with Direct Composites. Pangasinan Dental Chapter. 31 January 2010
Training in Restorative and Esthetic Dentistry for Provincial Health Dentists, Bohol Province. Tagbilaran City, Bohol. 17-18 January 2010
Updates in Light Curing Systems: What works, what doesn't. Academy of Dentistry International. 10 January 2010
Composite Resin Restorations: State-of-the-Art or Patchwork Dentistry? Palawan Dental Chapter, 3 rd Quarterly Seminar, Puerto Princesa Palawan, 4 March 2008
Dental Waste Management & Dental Occupational Hazards, City Government of Muntinlupa Dental Health Services, Muntinlupa City, 26 February 2008
Management of Severely Discolored Teeth Using Opaquers or Masking Agents (Hands-on Workshop). The 1 st Philippine Congress on Esthetic Dentistry. Manila, 21 January 2008
Best Practices in Dental Waste Management. Laguna Dental Chapter Quarterly Scientific Seminar, Sta. Rosa Laguna 12 December 2007
Mercury: The Hidden Menace, Problems and Possibilities. Philippine Hospital Association 58 th Annual Convention. Manila Hotel. 27 November 2007
Troubleshooting Composite Resin Restorations, Academy of Dentistry International Northern Philippines Symposium. Baguio City, Philippines. 25 November 2007
Veneers: Case Selection and Clinical Procedures. Palawan Dental Chapter 2 nd Quarterly Scientific Seminar, Puerto Princesa Palawan. 15 November 2007
Seal or No Deal: Restorative Techniques in Pediatric Dentistry. Six-Year Molar Plan Seminar of the Philippine Pediatric Dental Society Inc and Pediatric Dental Center, Baguio City. 22 October 2007; Cebu City, 06 March 2007
Advances in Esthetic Composite Restorations. National Association of Dental Traders Inc. Annual Convention. World Trade Center, Manila Phil. 9 October 2007
Troubleshooting Composite Restorations Antipolo City Dental Chapter Quarterly Scientific Seminar. Lamojyan Corporation, Paranaque. 3 October 2007
Yes, Invisible and Predictable Composite Restorations are Possible. Mindanao National Convention, Iligan City. 15 September 2007; Filipino Chinese Dental Federation Inc. Manila Hotel, 29 July 2007; Philippine Academy of Esthetic Dentistry Basic Esthetic Course Part I. Puerto Princesa, Palawan, 11 August 2006
State of the Art Veneers. Ilocos Norte Dental Chapter Monthly Seminar, Laoag, Ilocos Norte. 15 August 2007
Veneers: The What's, Why's, How's and Treatment Outcomes. Surigao del Norte Dental Chapter Quarterly Seminar and Induction Ceremonies Surigao City 04 August

2007; Agusan del Sur Dental Chapter Quarterly Seminar and Induction Ceremonies. Agusan del Sur. 04 August 2007; Agusan del Norte Dental Chapter Quarterly Seminar and Induction Ceremonies. Butuan City. 3 August 2007
Achieving Invisible and Successful Restorations with Composite Resins. PDA Dolfenal Scientific and Management Symposia. Zamboanga City, 2 August 2007
Esthetic Restorative Procedures for Kids and Adolescents. Philippine Academy of Esthetic Seminar Basic Esthetic Course Part IV. Davao City, 15 July 2007
Advances in Esthetic Restorative Materials and Techniques. Academy of Dentistry International Scientific Seminar. 3M Innovation Center, Manila, 4 July 2007
Trends and Issues in Restorative Dentistry: Where are we heading? Philippine Association of Private School Dentists Inc. Scientific Seminar. Manila, 22 March 2007
Techniques to Maximize the Potential of Modern Day Esthetic Restorative Materials. Quezon City Dental Society. Quezon City, 16 March 2007
Safety Issues on Tooth Whitening. Philippine Academy of Esthetic Dentistry Basic Esthetic Course Part III. Cagayan de Oro City, 5 March 2007
Extended Application of Direct Bonded Restorations. Angeles City Dental Society, Pampanga, 26 January 2007
Live Wet Clinic: Practical Tips & Tricks for Conservative Esthetic Restorations. 32 nd PDA Southern Tagalog Regional Conference. Tagaytay City, 18 February 2007
Practical Tips and Tricks for Conservative Esthetic Restorations. Davao City Dental Society Scientific Seminar. Davao City, 5 February 2007
Proper Dental Waste Disposal. University of the East Zero Waste Conference. Manila, 16 January 2007
The Mercury Menace: Amalgam Removal and Detoxification. Pasay City Dental Chapter Quarterly Seminar. Pasay City, 14 December 2006.
Techniques to Maximize the Potential of Modern Day Esthetic Restorative Materials. Dolfenal Gen San 11 December 2006
Achieving Invisible Restorations with Composites. 29 th PDA Central Luzon Regional Convention. Palayan City, Nueva Ecija, 1 December 2006; 30 th PDA Northwestern Luzon Regional Convention. Baguio City, 19 November 2006
Achieving Invisible Restorations with Nanocomposites. 3M Forum. Makati City, 29 November 2006
Choosing the Right Material for Indirect Restorations. Philippine Academy of Esthetic Dentistry Basic Esthetic Course Part II. Panglao Island, Bohol, 12 November 2006
Esthetic Treatment Options for Endodontically Treated Teeth. Manila Dental Society Scientific Seminar. Manila Hotel, 27 October 2006
Time Out! Which Cement? 3M Southern Luzon Scientific Forum. Tagaytay City, 26 October 2006; Philippine Prosthodontic Society Seminar. Makati City, 5 October 2006
The Layering Technique for Anterior Composite Restorations. National Association of Dental Traders Incorporated Annual Convention. Manila, 8 October 2006
Achieving Invisible Restorations with Composites. Marinduque Dental Chapter Induction Ceremonies & Scientific Seminar. Boac, Marinduque, 26 August 2006
Yes! Invisible Restorations are Possible.
Mercury Free Dental Health Care. San Juan Dental Chapter Seminar. San Juan City, 27 July 2006
Fix those Sixes. Six-Year Molar Plan Seminar of the Philippine Pediatric Dental Society Inc and Pediatric Dental Center. Quezon City, 26 July 2006

<p>Maximizing the Potentials and Value of Modern Restorative Materials. Lipa City Dental Society Quarterly Seminar. Lipa City 16 July 2006; San Pablo Dental Society Scientific Seminar, San Pablo City 2 July 2006; Philippine Academy of Esthetic Dentistry Scientific Seminar and Induction Ceremonies. Makati City 5 June 2006</p>
<p>Trends in Esthetic Restorations. Pangasinan Dental Chapter Scientific Seminar. Dagupan City, 13 June 2006; Batangas City Dental Chapter Scientific Seminar. Batangas City 4 September 2005; Dasmariñas Dental Circle Scientific Seminar. Cavite 2 September 2005; Albay Dental Chapter Scientific Seminar. Legaspi City 18 July 2005</p>
<p>Taking the Headaches and Losses Out of Common Restorative Problems. 3M Scientific Forum. Makati City 27 March 2006 3M Scientific Forum. 3M Scientific Forum, Las Pinas City 23 March 2006; 3M Scientific Forum, Bacolod City 19 March 2006; PDA Colgate Regional Convention/ PCOMS Mid-Year Session. Cebu 9 December 2005</p>
<p>Role of Dentists in the Elimination of Mercury in Health Care. Health Care Without Harm and Iloilo Doctor's College Seminar-Workshop on Mercury Issues. Iloilo City 10 March 2006</p>
<p>Advances in Glass Ionomers and Adhesive Restorations. 3M Scientific Forum. Baguio City 10 October 2005</p>
<p>Achieving the Esthetic Ideal with Modern Restorative Materials and Techniques. San Pedro Laguna Dental Circle Scientific Seminar. San Pedro Laguna 23 September 2005</p>
<p>Composite Veneers: Diagnosis, Treatment Planning and Outcomes. Valenzuela Dental Chapter Scientific Seminar. Valenzuela City 22 September 2005</p>
<p>Achieving the Esthetic Ideal with Modern Restorative Materials and Techniques. Bacolod City Dental Chapter Scientific Seminar. Bacolod City 18 September 2005</p>
<p>Restoration of Endodontically Treated Teeth. Iloilo City Dental Chapter Scientific Seminar. Iloilo City 17 September 2005; Camarines Norte Dental Chapter Scientific Seminar and Induction Ceremonies. Daet 19 July 2005</p>
<p>The Layering Technique with Composites: A Demo. Ilocos Sur Dental Chapter Scientific Seminar. Vigan Ilocos Sur 13 April 2005</p>
<p>Esthetic Composite Restorations: Materials and Techniques. Ilocos Norte Dental Chapter Scientific Seminar. Laoag Ilocos Norte 12 April 2005</p>
<p>Occupational Hazards in Dentistry. PDA-Dolfenal Scientific and Management Symposia for NCR-South, Asian Hospital Muntinlupa City 29 March 2005</p>
<p>Understanding Modern Composites: Materials and Techniques. PDA-Colgate Regional Conference for Eastern Visayas Ormoc, Leyte 09 March 2005</p>
<p>Maximizing Esthetic Possibilities with Composites. Ilocos Sur Dental Chapter Scientific Seminar. Vigan Ilocos Sur 29 January 2005</p>
<p>Filled Adhesives/ Ketac Molar Easy Mix. 3M Espe Product Pre-launch, 3M Innovation Center, Makati 10 December 2004</p>
<p>Direct Composite Veneers: Diagnosis and Treatment Outcomes. Kapisanan ng mga Dentista sa Bulacan (KADEBU) Bulacan 01 December 2004</p>
<p>Life After Bleaching: What's Next. Alpha Phi Omega Dental Association of the Philippines. Quezon City 25 November 2004</p>
<p>Core Build-Up: Choosing the Right Materials and Techniques. Philippine Academy of Esthetic Dentistry Region IV Seminar Calamba Laguna 22 November 2004;</p>

Philippine Academy of Esthetic Dentistry Scientific Seminar, Quezon City 19 September 2004; Philippine Prosthodontic Society Scientific Seminar Astoria Towers Ortigas Pasig City 26 July 2004
Understanding Modern Composite Materials. PDA-Colgate Regional Conference for Central Luzon Lian, Balanga Bataan 21 November 2004
Esthetic Restorations with Recent Composites. Davao Dental Society Inc Grand MenSeng Hotel, Davao City 10 November 2004; Central Express Diagnosis Inc. Cebu City 05 November 2004
Understanding the Jargon in Modern Composite Materials. National Association of Dental Traders Inc. Annual Convention PICC 12 October 2004
Trends in Restorative Pediatric Dentistry. Philippine Children's Medical Center 3 in 1 Seminar Manila Pavilion 16 September 2004
Nanohybrid Composites. Dentamania, Cagayan de Oro City 29 July 2004
The Challenges of Posterior Composites: Pushing it to the limits. Filipino-Chinese Dental Foundation Inc. Scientific Seminar Century Park Hotel Manila 16 July 2004
Frequently Asked Questions and Evidence Based Answers on Composite Resins. Pasig-Pateros-Taguig Dental Chapter Scientific Seminar. 10 July 2004; 15 th PDA Mindanao Area Convention Surigao del Norte 09 October 2003; Philippine Academy of Esthetic Dentistry Scientific Seminar, SM Megamall 29 September 2003
Everything about Dental Adhesives and Composites. Training for Dental Dealers, Acteon Office, Makati 03 July 2004
Trends in Restorative Dentistry. Mandaluyong Dental Chapter. Edsa Plaza Shangri-la Hotel, Mandaluyong City 25 June 2004
Trends in Restorative Dentistry. Paranaque Dental Chapter Scientific Seminar. Hyatt Regency Hotel, Pasay City 20 June 2004
Common Problems in Composite Restorations. PDA Annual Convention 3M Booth PICC 04 May 2004
Common Problems and Evidence-Based Solutions for Composite Restorations. Quezon City Dental Chapter Inc Annual Convention. Meralco Theatre Pasig 06 March 2004
Dental Adhesives and Composites: Partners in Adhesive Dentistry. Lipa City Dental Chapter Scientific Seminar, Lipa City 17 February 2004
Updates in Restorative Dentistry. San Pablo City Dental Chapter, San Pablo Laguna 15 February 2004; Mandaue City Dental Chapter, Mandaue Cebu 08 February 2004
Common Problems and Evidence Based Solutions on Composite Resins. Philippine Academy of Esthetic Dentistry Scientific Seminar 13 December 2003
Dental Waste Management. Malabon-Navotas Dental Chapter Scientific Seminar Malabon City 02 December 2003; PDA-Dolfenal Scientific and Management Symposia for NCR-North, Quezon City Sports Club 21 November 2003; PDA-Dolfenal Scientific and Management Symposia for Northern Mindanao, Cagayan de Oro City 04 September 2003
The Continuum of Esthetic Composite Restorations. Dentamania Scientific Seminar. Cagayan de Oro City 14 November 2003
Achieving Successful Restorations with Composites. San Juan City Dental Chapter Scientific Seminar San Juan City, MM 21 September 2003;

Davao Dental Society Inc Scientific Seminar. Davao City. March 2003
Successful Restorations with Light Curing Composites. Olongapo City Dental Chapter Scientific Seminar, Olongapo City. 30 July 2003; Davao Dental Society Inc. Annual Convention, Davao City. 23 July 2003
Root Surface Lesions: Etiology, Management and Treatment Options. Antipolo City Dental Chapter Scientific Seminar, Antipolo City 30 May 2003
Cutting Edge Information on Today's State of the Art Esthetic Materials. 3M Espe-PAED Seminar, Baguio City. 16 March 2003; 3M Espe-PAED Seminar, San Pablo City. 17 February 2003; 3M Espe-PAED Seminar, Tagaytay City. 13 February 2003
Successful Restorations with Light Curing Composites. Acteon Continuing Education Seminar, Makati City. 11 March 2003
Achieving Predictable Posterior Composite Restorations. Tarlac Dental Chapter Scientific Seminar, Tarlac City. March 2003
Updates on Dental Adhesives. Continuing Education Seminar, 88 th Foundation Day, UP College of Dentistry. 06 February 2003
Direct Composite Restorations. PDA-Colgate Bicol Regional Convention. Legaspi City, Albay. 27 November 2002
Failures and Success in Glass Ionomer Restorations. National Association of Dental Traders Inc. 3M lecture and workshop. World Trade Center Manila. 02 November 2002; Philippine Dental Association Annual Convention, 3M Booth. PICC 02 May 2001
Class IV Incisal Edge Restoration with Esthet-X. Manila Dental Society Scientific Seminar, Makati 17 October 2002
The Role of Glass Ionomers in Esthetic Posterior Restorations. PAED-3M Scientific Seminar, SM Megamall 29 September 2002
Tooth Colored Restorations. PDA-Colgate Mindanao Regional Convention, Cagayan de Oro City. 23 September 2002; Philippine Academy of Esthetic Dentistry, Regional Seminar, Dagupan City 06 April 2001
Esthetics in Direct Anterior Composite Restorations. Alpha Phi Omega Dental Association of the Philippines Scientific Seminar. Quezon City. 21 August 2002
Glass Ionomer Cements in Conservative Posterior Restorations. 3M-Espe Seminar, SM Megamall 16 April 2002
Updates on Adhesives. Philippine Children's Medical Center Scientific Lectures, Quezon City 03 July 2000

C. Research Accomplishments

1. List of published research

International Publications

KY Kyaw, M Otsuki, N Hiraishi, **MS Segarra**, J Tagami (2019). Effect of application of desensitizers before bleaching on change of tooth shade. Dental Material Journals. 38(5): 790 -797.

Shimada Y, Imai K, **Segarra MS**, Sanda WS, Sadr A, Sumi Y and Tagami J (2018). Non-invasive Imaging of Aging Alterations of Tooth Structure Using Optical

Coherence Tomography. June 2018
Nippon Laser Igakkaishi.

KY Kyaw, M Otsuki, **MS Segarra**, N Hiraishi, J Tagami (2018). Effect of calcium-phosphate desensitizers on staining susceptibility of acid-eroded enamel. Operative Dentistry. Online ahead of print August 2018 Doi:10.2341/18-024-L

Khin Yupar Kyaw, | Masayuki Otsuki, **MS Segarra**, Junji Tagami (2018). Effect of sodium fluoride pretreatment on the efficacy of an in- office bleaching agent: An in vitro study. Clinical and Experimental Dental Research. Vol 4:113-118

Segarra MS, Shimada Y, Sadr A, Sumi Y and Tagami J (2017). 3D Analysis of Enamel Crack Behavior Using SS-OCT. Journal of Dental Research. 96(3): 308-314.

King NM, Tay FR, Pashley DH, Hashimoto M, Ito S, Brackett WW, García-Godoy F, **Sunico M**. (2005) Conversion of one-step to two-step self-etch adhesives for improved efficacy and extended application. American Journal of Dentistry; 18(2):126-34.

Sunico MC, Shinkai K, Katoh Y (2005) Two-Year Clinical Performance of Occlusal and Cervical Giomer Restorations. Operative Dentistry; 30(3):282-289.

Sunico MC, Shinkai K, Katoh Y (2003) Clinical Performance of Class I and Class V Giomer Restorations. 6 months evaluation. Proceedings of the 2nd International Giomer Symposium September 2003.

Sunico MC, Shinkai K, Tanaka N, Katoh Y (2002) Effect of surface conditioning and restorative material on the shear bond strength and resin-dentin interface of a new one-bottle nanofilled adhesive. Dental Materials; 18: 535-542.

Katoh Y, **Sunico MC**, Shinkai K (2001). Newly-developed diamond points for conservative operative procedures. Operative Dentistry; 26:76-80.

Katoh Y, Shinkai K, Yoshikawa T, **Sunico M**, Medina V (2001). Porcelain laminate veneer restoration: Long term clinical prognosis and countermeasures for post-operative changes. Journal of Esthetic Dentistry; 13:17-21.

Local Publications

Segarra A, **Segarra M**, et al. (2010). The Effect of Composite Consistency on the Microtensile Strength of Composites. 61(2)

Sunico-Segarra, MC (2009) A Review of Methods Used in Diagnosis of Pit and Fissure Caries. The Journal of the Philippine Dental Association.60(2)

Sunico MC and Agustin RC (2008) Management of Severe Anterior Space Problem with Fiber-Reinforced Composite Bridge and Direct Composite Veneers. The Journal of the Philippine Dental Association; 59(2):14-19.

Sunico MC and Segarra AG (2007) Achieving Success in Posterior Composite Restorations: A Clinical Update. The Journal of the Philippine Dental Association; 58(2):16-23.
Gervasio NC, Parajas IL, Sunico MC (2007) The Efficacy of Stabilized Chlorine Dioxide Mouthwash Among Selected Group of Patients. The Journal of the Philippine Dental Association; 58(2):3-9.
Chiu JJN, Pabustan CAA, Sunico MC (2007) The Effect of Premature Polymerization from Ambient Light on the Working Time and Fracture Toughness of Visible Light Curing Composites. The Journal of the Philippine Dental Association; 58(2):24-32.
Segarra AG and Sunico MC (2005) A Review of Current Materials for Direct Restorations; 57(1):42-51
Sunico MC (2005) Modern day adhesives: Where lays the confusion? The Journal of the Philippine Dental Association
Sunico MC (2003) A meta-analysis on the clinical performance of direct posterior composite restorations. The Journal of the Philippine Dental Association; 54(3): 23-35.
Sunico MC (2002) Current concepts in dental adhesives. The Journal of the Philippine Dental Association; 54(2): 40-45.
Sunico MC (2002) Dental waste management: Practical tips for the dental office. The Journal of the Philippine Dental Association; 54(1): 38-40.

2. List of unpublished research

Haluag, DDV, Segarra, MS . (2020) Prevalence of symptom-based hand eczema among members of Filipino-Chinese Dental Foundation
Segarra MS , Shimada Y, Tagami J (2020) Analysis of enamel crack patterns on teth restored with amalgam and composite resin.
Segarra MS , Shimada Y, Tagami J (2019) Techniques for diagnosing early tooth cracks.
Bernardo AMK, Endozo GL, Segarra MS (2016) Oral health knowledge, attitudes and practice of caregivers of daycare children regarding age of first dental visit.
Mamaril ED, Rivera DAC, Segarra MS (2016) Examiner variability in caries diagnosis of selected UPCD students using the International Caries and Detection Assessment System for the detection of caries on the occlusal surface
Manansala KM, Puzon ME, Segarra MS (2016) Airborne microbial counts in the Oral Medicine Section, University of the Philippines, College of Dentistry
Limjap YKM, Pablo MAB, Segarra MS (2013) The effect of type of cementing material and veneer thickness on the depth of cure of porcelain veneer restorations.
Bantegui MF, Salvador AD, Segarra MS (2011). The effect of flowable composite and mode of polymerization on the microleakage of Class V composite resin restorations.

Austria EPQ, Guda AJP, **Segarra MS** (2011) Enamel and dentin shear bond strength of a self-adhering flowable composite compared to a conventional flowable composite.

3. List of ongoing research

Perez TJ, Jacobe E, Diongco FAA, Segarra MS. Utilization and acceptance of teledentistry among members of an urban dental chapter during the COVID-19 pandemic.

D. ADMINISTRATIVE ACCOMPLISHMENTS

1. Administrative achievements in support of teaching, research, or patient service

a. Chairperson, Department of Basic Dental Health Sciences (2013-2014)

- Facilitated coordination between the faculty of Biochemistry, CAS and Pharmacology (CM) regarding course units and class schedules.
- Applied for funding of the writing of Manuals for the different pre-clinical subjects thru the API Grant. It was approved by the time I left as Chairman in 2014 because I went on study leave.

b. Assistant to the Dean (2004-2010)

- Assisted the Dean in organizing the plantilla of faculty members, acted as Chair of the Academic Personnel Committee
- Organized the 3rd Asia Dental Forum in 2004, a collaborative conference with the Tokyo Medical and Dental University, Faculty of Dentistry. It was the first continuing education offering of the UPCD after several years. It opened the doors of UPCD to graduates of other dental schools in the country. It was attended by around 200 participants from all over the Philippines and was able to raise funds which were used to furnish the faculty lounge.

c. Chairperson, Department of Clinical Dental Health Sciences (2000-2003)

- Computerization of Patient Records in the Clinics

We collaborated with a student in Computer Science from the CAS to computerize our patient records as part of his final project. The purpose of the computerization is to facilitate access to patient records among the clinicians. It was programmed in such a way that it will be easy for the clinicians to search for patients for their clinical requirements. In connection with this, the patient admission chart was revised for easier encoding. This patient chart is still used until this day.

The program was functional until the end of my term as chairman of the department.

d. Section Head, Operative Dentistry (1997-1998)

- Completed the point system in evaluating the works of clinicians in the Operative Dentistry. Instead of being dictated by a prescribed number of requirements, points are instead given to each work done by the students. The higher the clinician's grade for each clinical exercise, the less number of requirements required. This reflects quality over quantity. This system, although there have been minor revisions over the years, is still in place in the section.

e. Co-Chair/Member, Continuing Education Committee (2004 to present)

- Organized several continuing education seminars and short courses including the Comprehensive Restorative Esthetic Dentistry (CRED), in 2010 and the Short Course in Oral Surgery for General Hospital Dentists (later General Dentists) in 2014. These courses were offered until 2020 when they were temporarily put on hold due to the COVID pandemic. These courses and seminars generated funds for the activities of the college, and improvement of infrastructure, in particular the renovation of the Faculty Lounge in 2018 in cooperation with the UPDAA 2016-2018 Board.

f. Chairperson, Research Facilities, Instruments, Training and Maintenance Committee (2020 to present)

- In the process of checking and calibrating the equipment and instruments at the UPCD Research Laboratory. The SEM just recently underwent preventive maintenance and three laboratory technicians in college were trained by the company engineers on the basic use and maintenance of the SEM. Plans were also laid down by the committee on how to maximize the use of the equipment in the research lab and training for the faculty members and students on the use of these equipment. This is with the objective of increasing the research productivity of the College.

g. President, UP Dental Alumni Association (UPDAA) 2016-2018
Board Member from 2010 – 2016

- Organized a classical music concert, Joie de Vivre in 2017 to raise seed money for the planned tutorial/mentoring program for dentistry students. The concert raised PhP56,000.00. Funds were turned over to the next UPDAA Board.
- In collaboration with the UPCD Continuing Education Committee, was able to raise funds for the renovation of the UPCD Faculty Lounge (PhP 1.6 million pesos)

- As Chair of the Continuing Education of the UPDAA, 2012-2014, organized 11 Scientific Seminars, featuring international resource speakers to raise funds for UPCD and for the creation of the UPCD Alumni Office (worth PhP450,000.00)

2. List of involvement in department/college committees

College

2020 – present	Chairperson, Research Facilities, Instruments, Training and Maintenance Committee (RFITM)
2020 - present	Member, UPCD COVID Crisis Management Committee
2018 – present	Focal Person, IAADS and Quality Assurance Focal Person, ISO
2011 – present	Library Committee
2011 – present	PACUCOA Accreditation Committee
2004 – present	Co-chair, Continuing Education Committee
2010 – present	Member, Research Committee
2006 – 2010	Chair, Academic Personnel Committee
2000 – 2003	Resource Generation Committee
2001, 2005....	Chair, UPCD Foundation Day Committee
1995 – 1997	College Officer for Student Relations (OSR)
Served as faculty adviser for the UPCD Pep Squad (1997-1998), UPCD Choir (1995-1998)	

University

2022	UPCD Focal Person for Text, UP Manila Heritage Committee
2021	Chairperson, Search Committee for the Next Dean of the College of Allied Medical Professions
2019	UP Manila Historical Building Committee
2019	UP Manila Faces of Science Book Committee
2019 – present	Chairperson, UP Manila Research Publication Assistance Committee To date we have processed around 50 research articles, several of them already published or accepted for publication in peer-reviewed journals
2019 – present	Member, UPM-NIH Research Ethics Board (Panel 5)
2019	Member, Committee on UP Manila Outstanding Researcher during the UPM Foundation Week
2011 – 2013	Member, UP Manila Academic Personnel and Fellowship Committee (APFC)

E. Service / Extension

1. Accomplishments in Extension Work and Community-Oriented Activities

2021 - present	Lecturer and Panelist, Research Course, Advanced Education in Pediatric Dentistry (AEPD), Philippine Pediatric Dental Society Inc. (PPDSI)
2021 - present	Member, Philippine Dental Association Scientific Committee on Clinical Guidelines for Aerosol Mitigating Procedures for the Dental Clinics
2020 – 2021	Chairman, Philippine Dental Association, Awards Committee
2020	Co-Chairman, Scientific Sessions, Philippine Dental Association, 112 th Annual Convention
2010 – 2011	Editor-in-Chief, The Journal of the Philippine Dental Association
2010	Chairman, Scientific Sessions Committee, PDA 102 nd Annual Convention
Since 2006	Actively involved in the Scientific Sessions of the PDA Annual Convention and the Asia Pacific Dental Congress as speaker, moderator, session chairman
Peer Reviewer of the following Scientific Journals: European Journal of Dentistry, since 2017 Acta Medica Philippina, since 2020 Philippine Journal of Health Research and Development, since 2019	
Since 2014	Contributor/ Writer Health.care Magazine Health.Care Magazine is a bimonthly magazine that is geared towards promoting healthy lifestyle. Articles in Health.Care tackle a wide range of topics from in-depth discussion of health issues, practical tips on health and wellness, the latest developments in the healthcare industry, and expert opinions from medical contributors.
2000 - 2003	Organizer, UPCD Free Clinics during annual UPCD Foundation Week
1995 - 2002	Faculty Coordinator for UPCD - UP Pahinungod

2. Accomplishments in Specialty Societies/ Dental Honor Societies

- a. Current President, Academy of Dentistry International – Republic of the Philippines Section (Fellow since 2003)

As President, re-established close coordination, and communication with the mother organization in the United States aligning the projects of the local section with the other global sections.

Revived the local publication of the organization

Quarterly lectures including a round table discussion on the practices/ protocols/ coping mechanisms of the different dental schools during the COVID-19 pandemic

b. Fellow, International College of Dentists (since 2011)

Served as Chairperson for Faculty Development Programs

- Organized Faculty Development Training programs/seminars on teaching methodologies, outcome-based education, cariology and preventive dentistry

c. Member, International Association for Dental Research

d. Member, Academy of Operative Dentistry (2012-2015)

3. Accomplishments in Socio-Civic Organizations with Special or National Relevance

Vice-President, Health Care Without Harm Asia (NGO)

- Participated/ facilitated in several round table discussions, fora on the issue of mercury in dental amalgam restorations, air pollution and plastic pollution, health care waste management