

25 Years of the PPS Undergraduate Pediatric Education Curriculum Committee: Beginnings, Outputs, Adjustments

Invited Lecture for UP NTTCHP's Research Conference
on the occasion of its 50th Anniversary
January 30, 2025, Manila Prince Hotel

Redacted for the 9th PPS-UPEC Q&A Forum, April 7, 2025, Conrad Manila

CARMELO A. ALFILER, MD, FPPS, FPSN, FPNSP

Emeritus Professor of Pediatrics

UP College of Medicine, UP Manila

Chair, PPS Undergraduate Pediatric Education Curriculum Committee

The PPS Undergraduate Pediatric Education Curriculum (UPEC) Committee: Beginnings

- Council on Training and Continuing Pediatric Education
- Committee on Undergraduate Pediatric Education **(Year 2000)**
- Chair: Perla D. Santos Ocampo, MD
- Co-Chair: Esperanza F. Rivera, MD
- Members: Ramon L. Arcadio, MD, President, APMC
Elvira M. Abreu, MD, Department Chair, MCU-FDTMF
Carmelo A. Alfiler, MD, Department Chair, UPCM-PGH
Reynaldo B. de Vega, MD, Department Chair, FEU-NRMF
Miguel L. Noche, Jr., MD, Department Chair, UST
Josefina C. Resurreccion, MD, Department Chair, UERMMMC

The PPS Undergraduate Pediatric Education Curriculum (UPEC) Committee: Beginnings

- **Year 2000**
PPS-UPEC COMMITTEE:
Function and Action Plans
- **Function:** To develop **innovative and sustainable programs that will enhance the teaching and practice of Pediatrics in the undergraduate years** ensuring a **strong foundation in knowledge and clinical skills** for the future general practitioner and pediatric specialist/subspecialist



PPS-UPEC COMMITTEE:

Function and Action Plans



• Action Plans:

1. To produce a **core syllabus** in undergraduate Pediatrics
2. To introduce **guidelines** in the teaching and practice of Pediatrics in medical schools relevant to the Philippine setting
3. To study other **strategies/mechanisms by which Philippine Pediatrics can be promoted** in a proactive manner as early as in the undergraduate years
4. To **monitor and evaluate** periodically the effectiveness and relevance of the above activities

The PPS-UPEC Committee: Outputs

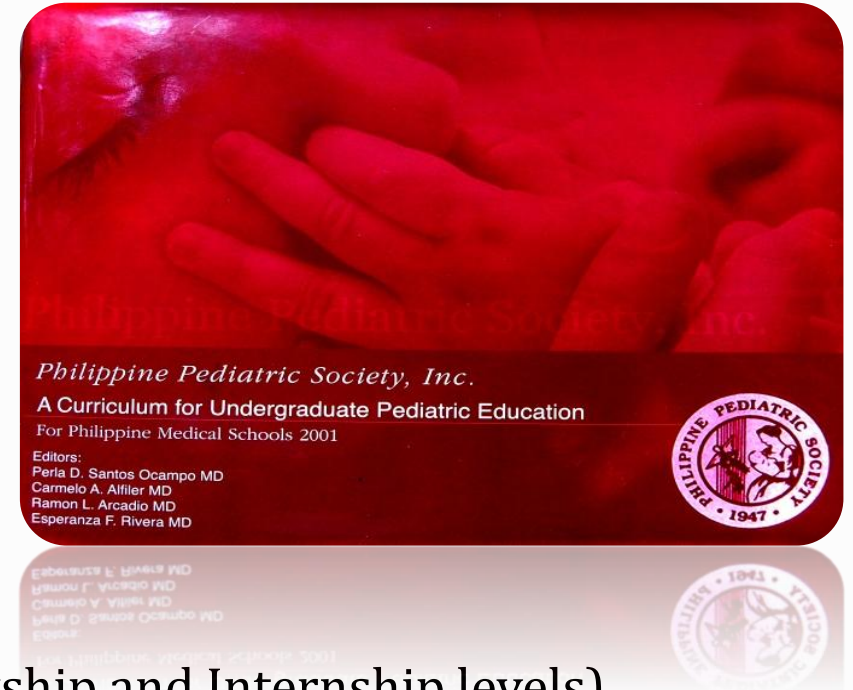
- **2001: Publication of the UPEC Manual**

Editors: PD Santos Ocampo, CA Alfiler,
RL Arcadio, EF Rivera
Facilitator: CF Mencias

- **Coverage of the Competency-based Curriculum**

31 Modules: Pediatric Diagnosis & Procedures (2)
Organ System Disorders (18)
Selected Topics (11)

Design: Terminal Competencies (Clinical clerkship and Internship levels)
Contents
Suggested Teaching-Learning Activities
Suggested Evaluation Techniques




25 Years Ago, in 2000

PPS Comprehensive Adolescent Health Program _Flagship Project 2000-2002

DOH Administrative Order
34-A s 2000

Mandating adolescent age to end at age 18 years & 364 days (tail-end of pediatric age group) following WHO and UN General Assembly ratification

National flagship projects/Councils



Training & CPE

- 2) Undergraduate Pediatrics Education Curriculum (UPEC)
- addresses competence & competencies of undergraduate pediatric residents on all 31 APAC-accredited medical schools entering knowledge & skills of incoming first year pediatric residents
- 3) Comprehensive Adolescent Health Program (CAHP)
- addresses nagging health & related issues confronting today's 10 - 19 year olds
- PPS Comprehensive Adolescent Health Clinic

Notes Comments

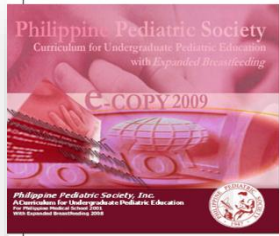
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Adolescence, in Selected Topics, PPS-UPEC Manual 2001

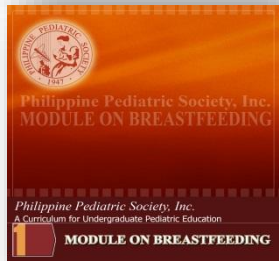
Foreword	v	Hematology	54
Preface	vi	Immunology	59
Messages		Infectious Diseases	63
MANUEL M. DAYRIT MD, MSc		Neonatology	
Secretary of Health	vii	Normal Newborn	67
ESTER A. GARCIA PhD		Abnormal Newborn	68
Chair, Commission on Higher Education	viii	Nephrology	73
RODOLFO P. DE GUZMAN MD		Neurology	79
Chair, Board of Medicine	ix	Nutritional Disorders	84
RAMON L. ARCADIO MD, MHPEd		Oncology	89
President, APMC	x	Respiratory Disorders	92
FERNANDO S. SANCHEZ, JR. MD			
Executive Director, APMC	xi	SELECTED TOPICS	101
SHIGERU OMI MD, PhD		Adolescence	103
Regional Director, WHO	xii	Child Protection	106
DR. TERREL M. HILL		Community Pediatrics	107
UNICEF Representative	xiii	Environmental Pediatrics and Poisoning	110
Ad Hoc Committee on Undergraduate Pediatrics	xiv	Ethical Issues in Pediatrics	112
Module Participants	xv	Genetics	114
		Growth and Development	
PEDIATRIC DIAGNOSIS AND PROCEDURES	1	Growth	116
Data Gathering, Recording and Presentation	3	Development	117
Pediatric Procedures	4	Integrated Management of Childhood Illnesses	120
		Nutrition	121
ORGAN SYSTEM DISORDERS	7	Pharmacology and Therapeutics	127
Allergy	9	Preventive Pediatrics	129
Bones and Joints	13		
Burns and Injuries		APPENDICES	131
Burns	17	A Preparing Physicians for the Immediate Future	133
Injuries	21	B General Attitudes, Habits and Competencies	139
Cardiovascular Disorders	26	C Advantages and Disadvantages of Different	
Critical Care	32	Teaching Methods and Educational Media	145
Dermatology	35	D Evaluation of Learning Outcomes	148
Developmental and Behavioral Disorders	40	E Advantages and Disadvantages of Methods of	
Endocrinology and Metabolism	43	Evaluation	149
Gastroenterology	48	F Characteristics of Desirable Learning Activities	151
Liver Diseases	51		

The PPS-UPEC Committee: Outputs

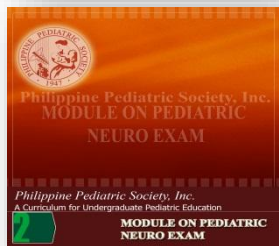
• 2001 – 2008:



- **Manual's hard and e-copies** were distributed widely; APMC, PRC, DOH, WHO, CHED, UNICEF, medical schools, HAB hospitals, pediatric department chairs, PPS members and libraries received copies



- **Breastfeeding module** was expanded in 2009



- **Teaching CDs on breastfeeding & pediatric neuro exam** were produced, also distributed widely
- **Feedbacks** re utilization of materials were solicited

The PPS-UPEC Committee: Outputs

- **From 2009:**

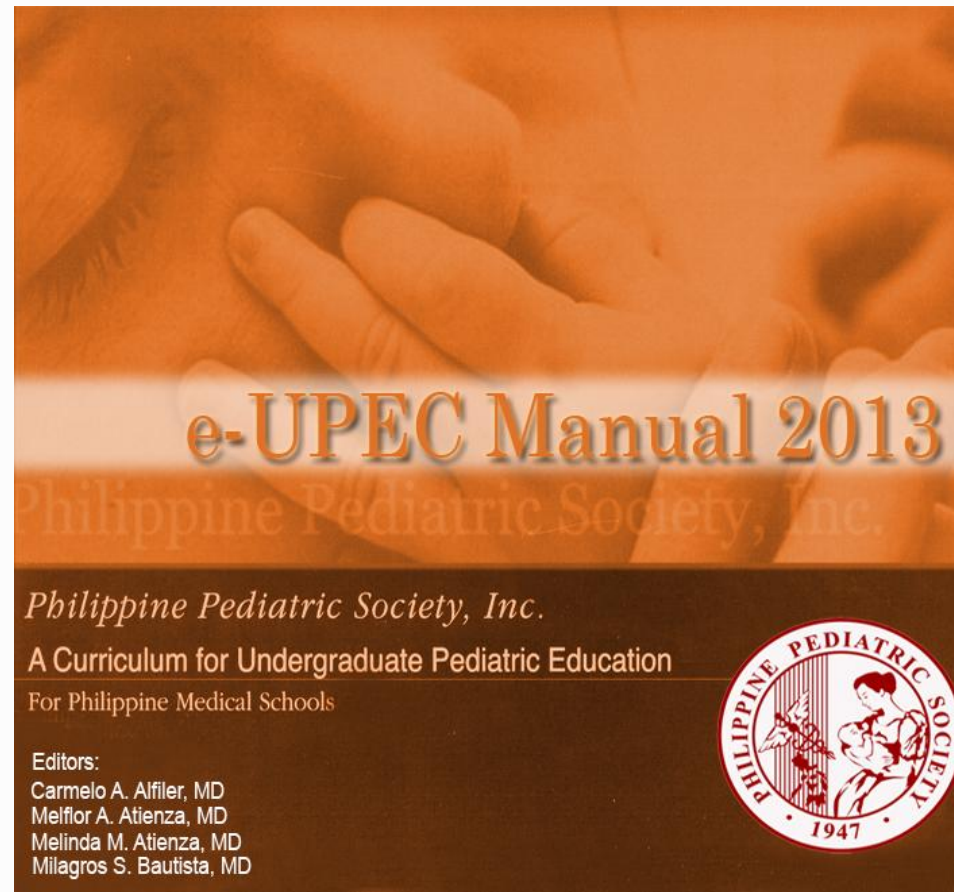
- Seminar-workshops on **“Innovative Teaching Strategies in Undergraduate Pediatrics”** for faculty of Philippine medical schools (crash MHPed course); emphasis on reinforcements through learning year levels
- Overview, Special Topics (Medical Ethics, Medical Informatics, Child Abuse & Neglect)
- NCR Group (July 2009), Non-NCR (April 2010, Oct. 2010)

The PPS-UPEC Committee: Outputs, Related Activities

Feb. 12-13, 2013

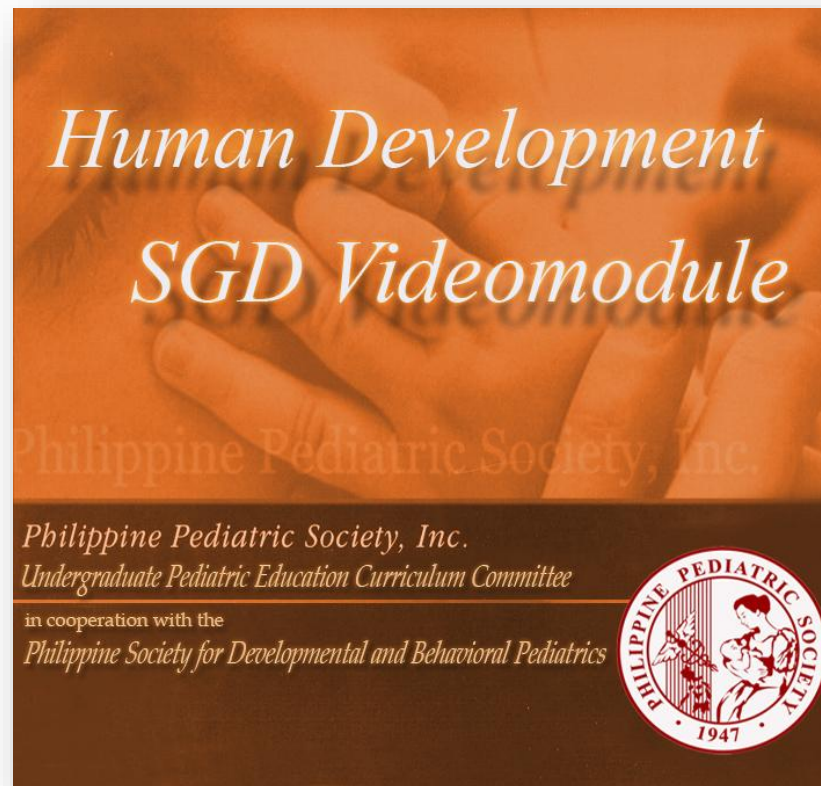
- **Workshop:** TO REVISIT THE UNDERGRADUATE PEDIATRIC EDUCATION CURRICULUM (2001 PPS-UPEC Manual with its later enhancements:
 - e-copy 2009, Breastfeeding
 - Growth & Development, Nutrition/Nutritional Disorders, Adolescence 2011)
- ENSURING EFFECTIVENESS AND RELEVANCE
- **Facilitator:** Melflor A. Atienza, MD, MHPed
 - **Nationwide Participants:** APMC-medical schools, HAB-accredited training programs, subspecialty societies/sections, invited experts

Revisited UPEC Manual, 2013: (Congruent with OBE)



25 Years of the PPS Undergraduate Pediatric Education Curriculum Committee:
Beginnings, Outputs, Adjustments

Developmental Pediatrics Videomodule (with Teacher's Guide), launched with e-UPEC Manual 2013



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The PPS-UPEC Committee: Outputs, Related Activities

From 2013

- **Teaching CD modules: Art of History Taking, Skin Rashes, Interpretation of Urinalysis, Others in Pipeline**
- Periodic Evaluation & Feedback
- **Q & A Fora, from 2015**
- **Uploading Manual & Teaching CD Modules in PPS website
(www.pps.org.ph/CPD/UPECC)**
- **Revision of e-UPEC Manual 2013 →→ OBE design**

Q & A Fora meant to reinforce UPEC Manual

(All lectures delivered by Ma. Cecilia D. Alinea, MD, MHPed)

- 1st Forum, April 21, 2015, “Core Pediatric Topics: Enhancing the Teaching-Learning Environment through Relevant and Effective Strategies and Evaluation Methods”
- 2nd Forum, April 5, 2016, “Facilitating Case-Based Discussions in Undergraduate Pediatrics”
- 3rd Forum, April 4, 2017, “Assessing Undergraduate Trainees’ Knowledge, Skills and Attitudes”
- 4th Forum, April 10, 2018, “Triangulation in OBE Assessment”
- 5th Forum, April 9, 2019, “ Learning in the 21st Century: Blended Strategies for Better Outcomes”
- 6th Forum (Virtual), June 24, 2021, “Virtual Core Competency Learning amidst the Pandemic: The Use of Telemedicine in Undergraduate Pediatrics”
- 7th Forum (Virtual), May 22, 2022, “How to Navigate the Revised UPEC Manual (2022 Edition): Tools that Bridge Classroom to Workplace Using the OBE Approach”

**UPEC Committee Page, UPEC Manual 2022 edition,
PPS website (<https://pps.org.ph/council-and-committees/council-on-continuing-professional-development/undergraduate-pediatric-education-curriculum-committee/>)**



Resurreccion of UERMMMC, Dr. Carmelo A. Alfiler of UP-PGH, and Dr. Miguel L. Noche, Jr. of USTH). Dr. Ramon L. Arcadio, then president of the Association of Philippine Medical Colleges (APMC), was also appointed member of this committee.

The sole function of UPECC is to develop innovative and sustainable programs that will enhance the teaching and practice of Pediatrics in the undergraduate years ensuring strong foundation in knowledge and skills for the future general practitioner and pediatric specialist/subspecialist. This is PPS own way of helping medical schools inculcate the must-knows and must-dos of Philippine Pediatrics and prepare their graduates better for the medical boards and as future clinicians handling newborns, infants, children and adolescents.

Through time, UPECC has (1) produced several versions of a core syllabus (A Curriculum for Undergraduate Pediatric Education for Philippine Medical Schools, print edition in 2001, an edited e-copy in 2009, and the latest e-copy edition in 2013); (2) introduced guidelines in the teaching and practice of Pediatrics in medical schools relevant to the Philippine setting by way of seminars and workshops; (3) studied other strategies/mechanisms by which Philippine Pediatrics can be promoted in a proactive manner as early as in the undergraduate years (teaching CD modules in cooperation with PPS subspecialty societies and sections, Q&A fora with APMC-accredited medical schools pediatric department chairs during PPS annual conventions), and; (4) monitored and evaluated periodically the effectiveness and relevance of the above activities via feedbacks from sessions/fora participants, teachers and learners.

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Thank you very much for visiting this page regularly (not only as a major reference but also for future updates and downloadable materials).

CARMELO A. ALFILER, MD
Chair, PPS-UPECC, 2002-present
January 2019

Undergraduate Pediatrics

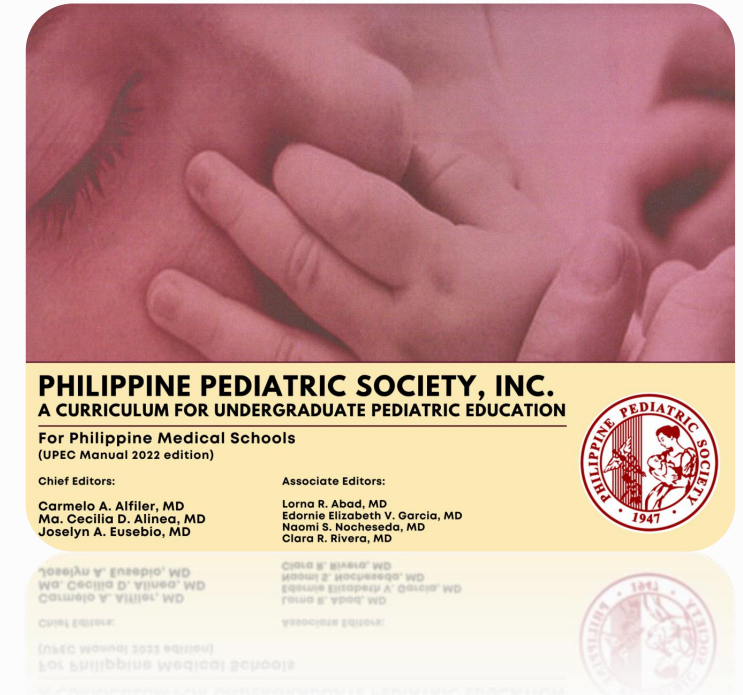
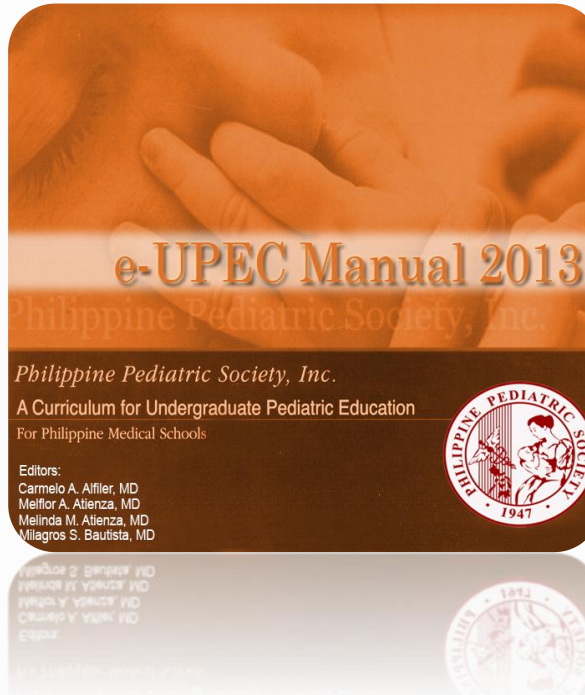
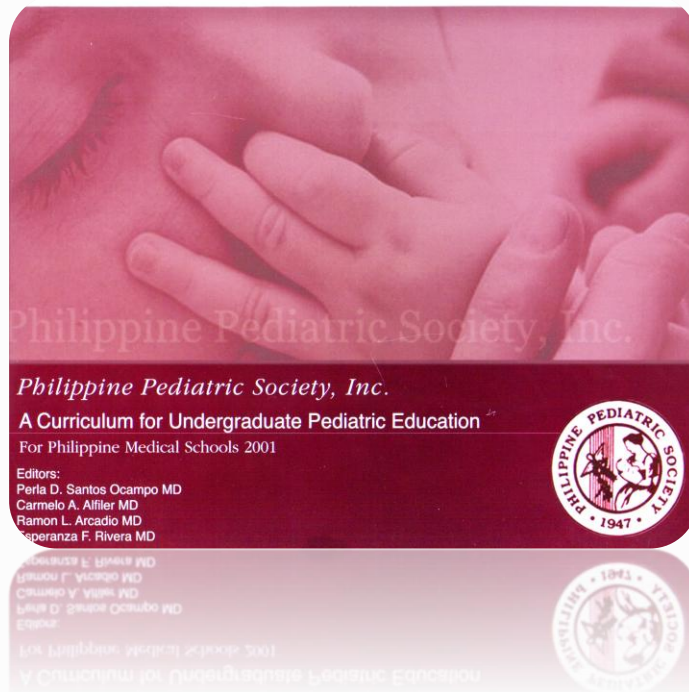
- [Breastfeeding Module](#)
- [Pediatric NeuroExam Module](#)
- [e-UPEC Manual 2013](#)
- [e-UPEC Manual 2022 edition](#)
- [Human Development SGD Videomodule](#)
- [The Art of Pediatric History Taking](#)
- [Rashes in Children Module](#)
- [Urinalysis Module](#)
- [UPEC Committee Members](#)
- [PPS UPEC Forum Lecture Slides](#)

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UPEC Manual 2001

e-UPEC Manual 2013

UPEC Manual 2022



25 Years of the PPS Undergraduate Pediatric Education Curriculum Committee:
Beginnings, Outputs, Adjustments

PPS UPEC Manual 2022

- Completely outcome-based curriculum (CHED's 10 Learning Outcomes)
- Contributors: Experts from 2013 edition, generalists and subspecialists
- Table of Contents:
 - Core Modules (8)
 - Disorders/Diseases/Problems (16)
 - Selected Topics (6)
 - Glossary of Terms
 - General and Specific References
- TLAs and Eval methods are adaptable to F2F, online, and hybrid sessions

UPEC Manual 2022



PHILIPPINE PEDIATRIC SOCIETY, INC. **A CURRICULUM FOR UNDERGRADUATE PEDIATRIC EDUCATION**

For Philippine Medical Schools
(UPEC Manual 2022 edition)

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Joselyn A. Eusebio, MD

Associate Editors:

Lorna R. Abad, MD
Edornie Elizabeth V. Garcia, MD
Naomi S. Nocheseda, MD
Clara R. Rivera, MD



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**25 Years of the PPS Undergraduate Pediatric Education Curriculum Committee:
Beginnings, Outputs, Adjustments**

Cascading and feedback strategies

- My Professor Emeritus sessions with all PGH interns (UPCM and PGI groups) rotating in Pediatrics, every Wednesday, in blocks of 12 -14
 - Focus on core topics in Pediatrics
 - Orientation to UHC primary health care delivery
- Departments of Pediatrics of medical schools and HAB-accredited hospitals (especially those that host PGIs) use UPEC Manual 2022 as major reference during strategic and operational planning workshops for undergraduate, residency and post-residency fellowship programs
- The annual PPS-UPEC Q&A Fora provide the venue for timely and relevant rejoinders to the UPEC Manual's contents

The 8th UPEC Forum, April 2024

Topic: **“Designing a UHC-Relevant Primary
Pediatric Care Curriculum”**

Lecture: Ma. Cecilia D. Alinea, MD, MHPed

Reactors: Ramon L. Arcadio, MD, MHPed, DrHum
 Maria Minerva P. Calimag, MD

(Note: This lecture is uploaded in PPS website)

The 8th UPEC Forum: PPS with PMA, APMC-Affiliated Medical Schools, PPS HAB-Accredited Training Programs



**25 Years of the PPS Undergraduate Pediatric Education Curriculum Committee:
Beginnings, Outputs, Adjustments**

9th UPEC Forum, April 7, 2025
with 84 APMC-affiliated medical schools & 121 PPS-HAB hospitals

- Topic: Adolescent Health and Transition Care
- Speakers: MICHELLE ANNE NOBLEJAS-MANGUBAT, MD
VANESSA-MARIA F. TORRES-TICZON, MD
MA. EMMA A. LLANTO, MD
- Reactors: MA. CECILIA D. ALINEA, MD, MHPEd
IMELDA M. MATEO, MD

Curricular Adjustments: Next 25 Years

- Reinforcement of UHC-relevant curriculum
- Not to forget good-to-know/nice-to-know topics directed toward apex hospital-based training programs in Pediatrics
- Sustained focus on data gathering skills, physical diagnosis, approach to clinical diagnosis (clinical acumen), as basis for judicious management, especially in community setting; “the human touch”
- Inevitable role of AI in teaching-learning, especially for Gen Z and Gen Alpha faculty and students

PPS-UPEC Committee, 2024-2025

Chair

CARMELO A. ALFILER, MD

Co-Chairs

MA. CECILIA D. ALINEA, MD, MHPed

LORNA R. ABAD, MD, MSc

Members

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JOSIE NIU-KHO, MD (UST)

(Under Council on Continuing Professional Development)

9th UPEC Forum, April 7, 2025
with 84 APMC-affiliated medical schools & 124 PPS-HAB hospitals

- Topic: Adolescent Health and Transition Care
- Speakers: MICHELLE ANNE NOBLEJAS-MANGUBAT, MD
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