



UP VOICE

The Official Newsletter of the University of Puthisastra (UP)



Recently the Asian Academy of Preventive Dentistry held its 16th annual conference in Ho Chi Minh City, Vietnam. The meeting was attended by 10 recent dental graduates from UP and former Dean Prof Callum Durward. The students were - Kun Mengkhorn, Seat Moniroth, Lim Monyorth, Hong Konitha, Sokna Aphireak, Seang Thaihort, San Chandaly, Soeur Sorachana, Nguonbean Vatanak, and Hakseng Linkeang. The meeting had over 300 delegates from Asia and beyond, with presentations on a wide variety of topics related to preventive dentistry. Two UP thesis groups presented their research.

The presentation by LIM Monyorth, SOVANN Rithy, HAN Sopheara) supervised by HORN Rithvitou and Bethy TURTON was titled 'Comparison of Daily Toothbrushing and Biannual Application of SDF vs GIC Fissure Sealants for Prevention of Cavities on First Permanent Molars; A Comparative Study' and won the Outstanding Presentation Award (Senior Section). The event included a gala dinner at which the Cambodian participants sang two songs. Next year the AAPD meeting will be held in Bali, Indonesia, and a good turnout of UP students and lecturers is expected.

The participation of the University of Puthisastra's dental graduates at the 16th annual conference of the Asian Academy of Preventive Dentistry highlights the growing expertise and academic contributions of Cambodian students in the field of preventive dentistry. Winning the Outstanding Presentation Award reflects not only the quality of education and mentorship at UP but also the potential of Cambodian researchers to address global dental health challenges. This achievement not only benefits Cambodia by showcasing its emerging talent and commitment to improving healthcare but also elevates the country's reputation on the international stage. By continuing to participate in such prestigious events, Cambodia reinforces its position as a contributor to global knowledge and innovation in dentistry, paving the way for increased recognition and collaboration within the international community.

WHAT'S UP ON CAMPUS

• 29 DECEMBER 2024 | PEACE DAY IN CAMBODIA

UNIVERSITY OF PUTHISAstra SIGNS MOU WITH KHMER ENTERPRISE TO FOSTER ENTREPRENEURSHIP SKILLS



In a significant step towards nurturing entrepreneurial talent, the University of Puthisastra (UP) signed a Memorandum of Understanding (MoU) with Khmer Enterprise along with other universities. The partnership aims to equip students with essential entrepreneurship skills, fostering innovation and preparing them for success in the business world. This collaboration is expected to provide students with the tools and resources to transform innovative ideas into impactful ventures, contributing to Cambodia's growing startup ecosystem.

A MEETING OF THE UNIVERSITY OF PUTHISAstra STUDENT SENATE



On November 23, 2024, the Student Services Unit held a pivotal meeting for both the outgoing and incoming members of the University of Puthisastra (UP) Student Senate. This gathering was not merely a transition; it was a celebration of shared experiences, a formal handover of responsibilities, and a unique opportunity to inspire leadership spirits.

The outgoing senators, who had dedicated their time to serve their peers, were ready to share their insights and lessons learned over the past year. The new senators, freshly elected and brimming with ideas, were equally enthusiastic about stepping into their new roles. Following the orientation, the outgoing senators took turns sharing their experiences from the past year. The meeting commenced with an engaging presentation from the Student Services Unit. They provided a comprehensive orientation that outlined the essential roles and responsibilities of the senators. This included a detailed overview of governance structures, the importance of effective communication, and strategies for planning activities in 2025.

This meeting marked not just a transition in leadership but a commitment to ongoing dialogue and collaboration a promise that the voices of all students at the University of Puthisastra would continue to be heard and valued in the years to come. Together, they were ready to embark on a journey that would shape their university experience and inspire future generations of student leaders.

WHITE COAT CEREMONY 2024 FOR THE 13TH BATCH OF PHARMACY STUDENTS



The White Coat Ceremony 2024 for the 13th Batch of Pharmacy students was held on the morning of November 22, 2024, by the Faculty of Pharmacy, University of Puthisastra. This significant event marked a milestone for 119 Year 2 Bachelor of Pharmacy students as they donned their white coats, symbolizing their entry into the professional phase of their pharmacy education.

The ceremony featured Professor Ian Rouse, President and Vice-Chancellor of the University of Puthisastra, who delivered both the opening and closing remarks. Assistant Professor Chhea Sophearom, representing Professor Chea Sin, Dean of the Faculty of Pharmacy, also participated in the event with a welcome speech. Professors, teachers, and staff of the Faculty of Pharmacy joined to support and celebrate the students' achievements and commitment to the pharmacy profession. This special occasion underscored the values of professionalism, responsibility, and dedication as students embark on their journey toward becoming future healthcare professionals.

UNIVERSITY OF PUTHISAstra JOINS FORCES WITH A UK UNIVERSITY ON A GLOBAL HEALTH INITIATIVE TO REVOLUTIONIZE TRAUMA CARE

The University of Puthisastra (UP) is proud to collaborate as a Low- and Middle-Income Country (LMIC) and Joint Lead Applicant in a transformative research initiative under the National Institute for Health Research (NIHR) for Research on Interventions for Global Health Transformation (RIGHT) Call 8.

This project focuses on addressing traumatic brachial plexus injury (TBPI), a life-altering condition that predominantly affects young adults in Cambodia due to motorcycle accidents. The initiative aims to establish sustainable, evidence-based nerve transfer surgery and rehabilitation services in Cambodia, with plans to replicate the model in other LMICs.



As a recognized leader in health sciences and Technology in Cambodia, UP is an ideal partner, bringing its commitment to excellence, innovation, and service to the project. This collaboration unites UP with HaPPen research, the Birmingham Hand Centre at University Hospitals Birmingham NHS Foundation Trust, and the Global Nerve Foundation. Together, the team will build local capacity, advance academic research, and position Cambodia at the forefront of innovative trauma care and rehabilitation. Notably, Dr. Dominic Power, a renowned nerve surgeon with extensive experience in Cambodia, plays a key role in driving the initiative forward. During Dr. Dominic's recent visit, he met with Professor Ian Rouse, who appointed him as an Adjunct Professor of Medicine at UP, further strengthening ties between global experts and the university. This partnership represents another significant milestone for UP, reinforcing its mission to transform healthcare in Cambodia while equipping future health professionals with the expertise needed to address critical public health challenges.

If successful with this application UP will continue to make a profound impact on trauma care, academic advancement, and community well-being.

QLTS TEAM SHINES AT THE 6TH CAMBODIAN ELT CONFERENCE



On December 23-24, 2024, Mr. Kol Rotha, Learning and Teaching Coordinator, and Mr. Sok Sarin, Education Quality Manager from the University of Puthisastra, had the privilege of presenting at the 6th Cambodian ELT Conference. This event, themed Advancing ELT in a New Era: Teaching, Learning, and Assessment, was hosted by the Institute of Foreign Languages, Royal University of Phnom Penh.

Mr. Kol Rotha co-presented with Dr. Kaing Sopheap, on the topic Rethinking Teaching and Learning Assessments in the 21st Century. Their session explored critical issues and innovative approaches to redesigning assessments to align with the demands of 21st-century education. Meanwhile, Mr. Sok Sarin collaborated with Dr. Heng Kimkong to deliver the presentation on Generative AI in Higher Education: The Need to Develop or Revise Academic Integrity Policies to Ensure the Ethical Use of AI in Cambodia. Their talk emphasized the importance of ethical AI usage in higher education, and the significance of developing or revising the academic integrity policy, and guidelines. The National ELT Conference, also known as the Cambodian ELT Conference, is a premier domestic platform showcasing English language teaching, learning, and local research in the Cambodian context. The event featured inspiring keynote sessions, engaging workshops, and a vibrant atmosphere filled with collaboration and passion for teaching. Approximately 500 English language teachers from across Cambodia participated, exchanging ideas and exploring new directions in ELT.

HEALTH CHECK-UP PROGRAM WITH SUNRISE CHARITY FOUNDATION

Six pharmacy students participated in a health check-up program with Sunrise Charity Foundation for the people at Hun Sen Mongkol Bopit High School, Kampong Speu Province.

Kampong Speu Province: On Sunday, November 10, 2024, six pharmacy students from Puthisastra University participated in a charity health check-up and medicine distribution program for the people of Kampong Speu Province, organized by Sunrise Charity Foundation. It is worth noting that in 2024, this is the seventh time that students and staff of the Faculty of Pharmacy have participated in a charity program with Sunrise, and in this charity program, pharmacist and pharmacy students played an important role in advising and providing medicine to more than 250 patients.

In addition to our pharmacist's significant contribution to this charity to guide patients with the 5 Rs of medication,

1. The right patient
2. The right drug
3. The right dose
4. The right route of administration
5. The right time



ANEMIA RESEARCH AND COMMUNITY OUTREACH PROGRAM



Faculty of Pharmacy staffs and students from the University of Puthisastra joined an anemia research and community outreach program focusing on women's anemia, education, and charity in Phnom Srok district, Banteay Meanchey province. This initiative was organized by the VS Medical Laboratory.

On November 11, 2024, staffs and sixteen students of the Faculty of Pharmacy participated in the project under the chairmanship of H.E. Um Reatrey, Governor of Banteay Meanchey Province. The opening ceremony for the Women's Anemia Research, Education, and Charity Project was led by H.E. Um Reatrey. The project aimed to identify and address anemia in women aged 18 to 60 in Phnom Srok district and was championed by Associate Professor Ket Vansith, Manager of VS Medical Laboratory and the program's founder and sponsor.

Alongside the Puthisastra University team, the event brought together participants from VS Medical Laboratory, district governors, district council leaders, provincial health officials, doctors, staff from Phnom Srok Referral Hospital, and community members. The program was hosted at the Resource Building of Phnom Srok District High School.

As part of the program, the UP team conducted comprehensive health surveys and led educational workshops to raise awareness about anemia and its prevention. Their efforts played a vital role in empowering the local community with knowledge and resources to improve women's health outcomes.

In his remarks, the Governor praised their dedication, highlighting the program's significant impact on community health and well-being. This recognition underscores UP's steadfast commitment to using research and public engagement to make a meaningful difference in society.

PUBLICATION ACHIEVEMENT OF FACULTY OF PHARMACY

Congratulations to the University of Puthisastra Faculty of Pharmacy on their significant achievement with the acceptance of their research manuscript for publication in the International Journal of Public Health Asia Pacific. The manuscript, titled "Association between the Level of Stress and Severity of Pain, Factors Associated with Stress, and Perceived Knowledge on Stress Management among University Students in Phnom Penh, Cambodia,".

This accomplishment is a testament to the dedication and hard work of the faculty and students involved in this research, as well as to the university's ongoing commitment to contributing valuable insights to the field of public health under guidance of Prof. Chea Sin Dean of Faculty of Pharmacy, University of Puthisastra. In 2024, this publication stands as yet another milestone for the Faculty of Pharmacy, highlighting their role in advancing research that addresses critical health issues faced by young adults in Cambodia.



CONGRATULATIONS TO FACULTY OF PHARMACY FOR RECEIVING RESEARCH GRANT FROM RSTMH



We are delighted to extend our heartfelt congratulations to Ms. Ung Huykhim, Head of Basic Pharmaceutical Sciences and full-time lecturer, and Ms. Huot Huysean, Lab Assistant, from the Faculty of Pharmacy, University of Puthisastra, on their remarkable achievement of receiving a research grant from the 2024 RSTMH Early Career Grants Programme (RSTMH).

With the initiative and high guidance of Professor Chea Sin, Dean of the Faculty of Pharmacy, Ms. Ung Huy Khim and Ms. Huot Huy Sean worked hard to find and apply for research grants in accordance with the college's policies and plans, achieving success and a great achievement for the Faculty of Pharmacy. In addition, the RSTMH Early Career Grants Programme is a prestigious initiative that supports emerging researchers worldwide in conducting their first independent research in tropical medicine or global health. This recognition highlights their dedication and potential to contribute meaningfully to global health advancements.

Last but not least, we would like to express our deepest gratitude to the Dean of the Faculty of Pharmacy, lecturers, and faculty staff for their invaluable guidance, encouragement, and unwavering support of this achievement.

THE COMMUNITY PRACTICUM



The Midwifery Department of the University of Puthisastra recently conducted a successful community practicum program for 21 students, consisting of both Bachelor of Science Midwifery Year3(Batch 1) and Associate Degree of Midwifery Year2 (Batch 10) students. The program took place from October 21st to November 13th, 2024, with practicum activities held in Por Toch and Toul Ngork villages, in Kompong Loung Commune, Poonthalir District, Kandal Province.

The community practicum had two primary objectives:

- **Engagement with rural communities:** students actively connected with rural communities, where they observed local challenges, practiced problem-solving, conducted interviews, created community maps, and delivered health education to villagers. This engagement allowed them to address real-world issues while fostering collaboration and understanding.
- **Hands-on experience:** The practicum provided students with immersive, real-world experience, enabling them to work effectively within a community. By bridging the gap between theoretical knowledge and practical application, it cultivated critical skills essential for their professional growth.

The program concluded with positive outcomes, and students gained valuable insights into community-based health practices, enhancing their learning and professional development.

COLLABORATIVE MEETING BETWEEN THE FACULTY OF PHARMACY, UNIVERSITY OF PUTHISAstra, AND KOREA OCEAN BIO CLUSTER



On November 19, 2024, the Faculty of Pharmacy, University of Puthisastra (UP), hosted a collaborative meeting with the Korea Ocean Bio Cluster. The event was chaired by Prof. Chea Sin, Dean of the Faculty of Pharmacy at UP, and Mr. Hyunmo Kim, CEO of Korea Ocean Bio Cluster, focusing on exploring future opportunities for research and development (R&D) of natural products in 2025.

The meeting featured a series of insightful presentations:

- Assistant Professor Chhea Sophearom, Assistant Dean of the Faculty of Pharmacy, presented on “The Faculty of Pharmacy of the University of Puthisastra.”
- Dr. So Visessakseth, Head of Pharmacognosy, delivered a presentation on “The Current Research and Development Activities of the Faculty of Pharmacy.”
- Mr. Hojun Kim, Research Director of Korea Ocean Bio Cluster, shared an overview of “Company Introduction – Korea Ocean Bio Cluster.”

Following the discussions, Mrs. Ung Huykhim, Head of Basic Pharmaceutical Sciences, guided the Korean delegation on a campus tour, showcasing key facilities, including UP Pharmacy and the Pharmacy laboratories at the University of Puthisastra.

This meeting marked a significant step in fostering international collaboration and highlighted shared interests in advancing R&D initiatives focused on natural products. It also underscored UP's commitment to innovation and building global partnerships in pharmaceutical sciences.

YEAR 4 PHARMACY STUDENTS BEGIN CLERKSHIP IN MEDICAL BIOLOGY LABORATORIES



On November 18 and 20, 2024, the Faculty of Pharmacy at the University of Puthisastra dispatched 140 Year 4 pharmacy students to various laboratories of medical biology across Phnom Penh, Cambodia, marking the start of their clerkship program.

This clerkship aims to bridge the gap between theoretical learning and practical application, offering students the chance to apply the knowledge and skills gained during their studies in real-world settings. Under the guidance of experienced clerkship preceptors, students will engage in hands-on experiences, interact with patients, and contribute to laboratory practices, enhancing their professional competence and readiness for their future roles as healthcare providers. This milestone highlights the Faculty of Pharmacy's commitment to fostering experiential learning and preparing students to excel in their pharmacy careers.

DENRICHE VISIT TO UP DENTAL FACULTY



On the 25th and 26th November the Dental Faculty were delighted to welcome Ms Ai Yamazaki, Dr Hayamizu and three of his colleagues to the University of Puthisastra.

During their visit they toured the Health Center, Dental Hospital 1 and the Dental Lab where they watched Year 2 students carving teeth from blocks of wax, and in the Dental Hospitals they observed and advised our Year 6 and 7 dental students as they treated their patients.

A dinner was held on the Monday evening where Ms Ai met up with the students and staff who visited Japan as part of the Denriche exchange program in October.

On Tuesday morning they all met with our President & Vice-Chancellor Prof. Ian Rouse who presented Dr Hayamizu a Certificate of Appreciation and to appoint him as a Visiting Clinical Professor at the University of Puthisastra.

We look forward to welcoming Ms Ai and members of the Denriche team to UP in January.

UNIVERSITY AND TVET FAIR 2024



On November 22 and 23, 2024, representatives from the Faculty of Pharmacy, University of Puthisastra, including Ms. Tang Sovannaroath, Pharmacy Rotation Officer; Ms. Ly Lina, Pharmacy Laboratory Assistant; and Mr. Keun Mengky, Pharmacy Laboratory Assistant, participated in the University and TVET Fair 2024. The event was held at the Cambodia-Japan Cooperation Center (CJCC) at the Royal University of Phnom Penh, bringing together educational institutions and prospective students.

During the fair, Ms. Sovannaroath served as a consultant and delivered a presentation on "The Pharmacy Major" to an audience of high school students and visitors. Her expertise and guidance were recognized with a Certificate of Appreciation, acknowledging her valuable contribution. Ms. Sovannaroath emphasized the importance of informed decision-making when selecting academic majors and expressed hope that her insights would help students better prepare for their university journey.

The Bachelor of Pharmacy program at Puthisastra University is a comprehensive 5-year program that integrates theoretical knowledge, practical laboratory work, and hands-on experience through clerkships in various professional settings, including pharmacies, medical biology laboratories, pharmaceutical factories, and institutions in both the private and public sectors, locally and internationally.

In addition to academic rigor, the program fosters the development of soft skills through activities such as community outreach, fundraising events, research conferences, and training workshops, ensuring that students are well-rounded and prepared for their future careers.

ANTIMICROBIAL RESISTANCE AWARENESS CAMPAIGN IN PREAH SIHANOUK HIGH SCHOOL, KAMPONG CHAM, CAMBODIA



The Antimicrobial Resistance Awareness Campaign, organized by the Faculty of Pharmacy, University of Puthisastra, in collaboration with the VENNUE FOUNDATION, was held on Wednesday, November 20, 2024, at Preah Sihanouk High School, Kampong Cham Province. The event was chaired by Professor Chea Sin, Dean of the Faculty of Pharmacy, and Mr. Thal Sophal, Principal of Preah Sihanouk High School, and directly engaged 35 Year 4 and Year 5 pharmacy students in its focused activities.

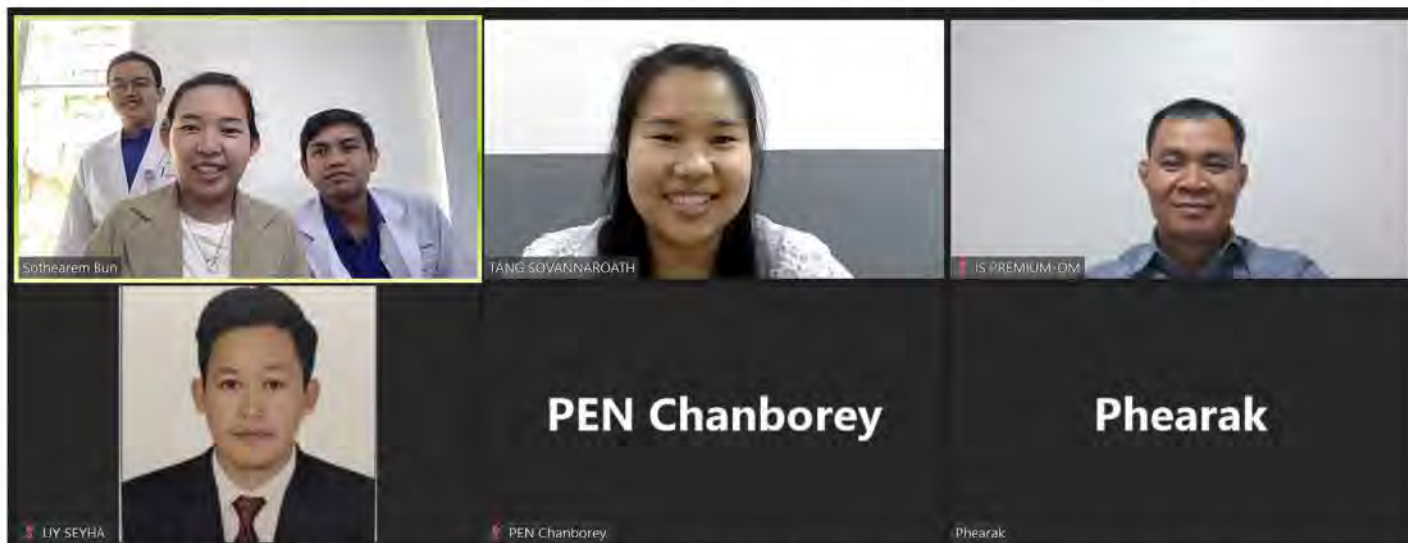
Under the Dean's leadership, the Faculty of Pharmacy conducted four educational poster sessions covering diverse topics related to antimicrobial resistance. These sessions reached students across six classes, with a total of approximately 220 high school students, as part of the World Health Organization's World Antimicrobial Resistance Awareness Week.

Antimicrobial resistance (AMR) poses one of the most pressing global health challenges today. When microorganisms develop resistance to medications designed to treat them, even minor infections can become severe or life-threatening. Pharmacists play a pivotal role in combating the spread of AMR by promoting the responsible use of antimicrobials and preserving the effectiveness of these critical treatments for future generations.

The Faculty of Pharmacy, University of Puthisastra, expresses its profound gratitude to the VENNUE FOUNDATION and Mr. Phalla Sovanrith, the Foundation's Country Manager in Cambodia, for their generous support in making this campaign a resounding success.

Their contributions have greatly enhanced public awareness of AMR and its prevention, making a meaningful impact on the local community.

CLERKSHIP ORIENTATION FOR PRECEPTORS AT I.S.PREMIUM LABORATORY



On November 13, 2024, the Faculty of Pharmacy at the University of Puthisastra (UP) conducted an online clerkship orientation session for preceptors from I.S. Premium Laboratory. The session was attended by Mr. Heng Kosal, Operations Manager; Ms. Bun Sothearem, Lab Supervisor; and senior laboratory technicians Mr. Uy Seyha, Mr. An Phearak, and Mr. Pen Chanborey.

The orientation was facilitated by Ms. Tang Sovannaroath, Rotation Officer from the Faculty of Pharmacy, who delivered a presentation titled "Clerkship Orientation for Preceptors at I.S. Premium Laboratory." The orientation was designed to equip preceptors with the knowledge and skills needed to guide pharmacy students during their clerkship in medical biology laboratories. The session covered several key aspects:

- **Understanding the Clerkship Program:** Preceptors were introduced to the structure, objectives, and timelines of the clerkship.
- **Defining Roles and Responsibilities:** Clarification was provided on the roles of the rotation officer, clerkship head, and pharmacy students.
- **Quality Assurance in Laboratory Training:** Emphasis was placed on maintaining documentation, ensuring task planning, and upholding quality assurance standards.
- **Mentoring Students:** Preceptors were trained to help students effectively apply theoretical knowledge to practical tasks, ensuring compliance with professional standards and regulations.

This orientation, led by Ms. Sovannaroath, plays a pivotal role in ensuring that preceptors at I.S. Premium Laboratory deliver high-quality training to UP pharmacy students. It also fosters a supportive learning environment that enables pharmacy students to succeed in their clerkship experiences.

ORIENTATION SESSION ON ANTIMICROBIAL RESISTANCE AWARENESS CAMPAIGN



Orientation session on Antimicrobial Resistance Awareness Campaign organized by the Faculty of Pharmacy, University of Puthisastra and supported by VENNUE FOUNDATION.

On November 19, 2024, the Faculty of Pharmacy, in collaboration with VENNUE FOUNDATION, organized an orientation session on the Antimicrobial Resistance Awareness Campaign, which will be held tomorrow in Kampong Cham Province, under the chairmanship of Prof. Chea Sin, Dean of the Faculty of Pharmacy, University of Puthisastra.

On this special occasion, the Dean said that it is an appropriate time to create this initiative, which coincides with the World Health Organization's World AMR Awareness Week, which is celebrated every year from November 18 to 24. On the occasion of this orientation session, the professor also encouraged the students to continue to participate more in volunteer work and social work as much as possible.

It is worth noting that, on this occasion, there was also a presentation on the program preparation and activities during the program by Ms. Yoy Sovatey and Mr. Cheng Singlay, who are the Year 5 pharmacy students playing the roles of leaders of all 34 volunteer students. In addition, Dr. So Visessakseth, Head of Pharmacognosy, also expressed general interests and appreciation for the organization of this campaign.

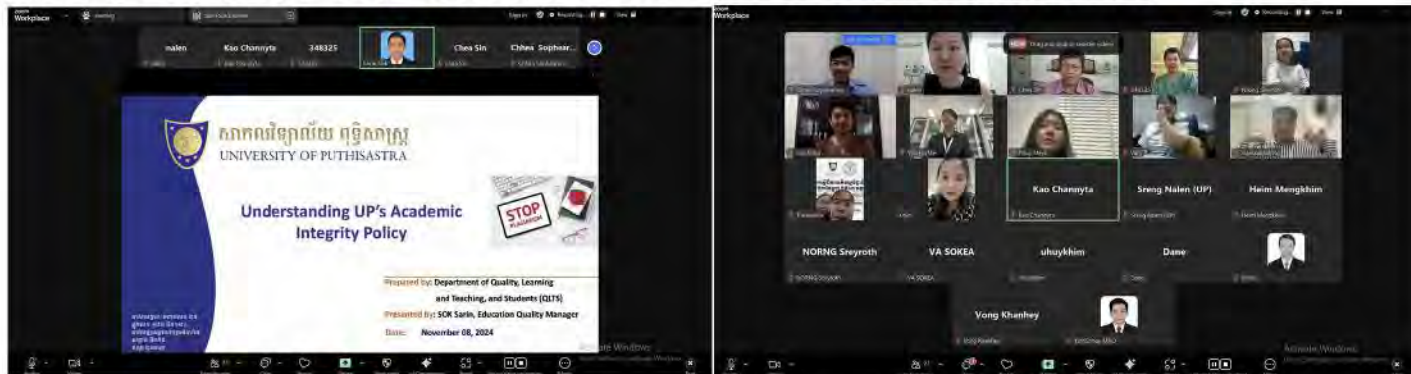
At the end of the program, Prof. Chea Sin also showed his appreciation of the staff, lecturers and volunteers who spent their valuable time supporting this wonderful campaign and wished them to be blessed with the four Buddha's blessings: longevity, caste, happiness, and strength.

THE SECOND OSCE MOCK TESTING (OBJECTIVE STRUCTURED CLINICAL EXAMINATION)



The Senior Club of the Faculty of Pharmacy organized the second OSCE mock testing for the 9th generation of pharmacy students to prepare for the upcoming internal exit exam at Hall B, Building B, at the University of Puthisastra from 8:00 a.m. to 5:00 p.m from November 11-13, 2024 the aim of Mock Testing OSCE 1. The students are better prepared for the upcoming internal exit exams. 2. The students know about the actual exam process and prepare the best 3. The students will know their strengths and weaknesses so that they can adapt well for future exams.

ORIENTATION FOR LECTURERS OF THE NEW ACADEMIC YEAR 2024-2025 AT THE UNIVERSITY OF PUTHISAstra (UP)



On November 8, 2024, Faculty of Pharmacy of the University of Puthisastra (UP) hosted its online orientation for faculty members and lecturers marking the start of the academic year 2024-2025. The session, which took place via Zoom from 9:00 AM to 11:00 AM, provided lecturers with key updates and essential information to help them prepare for the upcoming academic term.

The event began with the national anthem of Cambodia, followed by a traditional Wishing Dance, creating a culturally vibrant atmosphere. Professor Chea Sin, Dean of the Faculty of Pharmacy, officially opened the session with a warm welcome to all faculty members. He emphasized the university's commitment to fostering a culture of excellence in teaching and learning, setting an optimistic tone for the year ahead.

Key topics covered during the orientation included:

1. Revised Assessment for Learning Policy

Asst. Prof. Chhea Sophearom, Assistant Dean and Ms. Sreng Nalen, Academic Officer presented the revised Assessment Policy. The updated policy introduces new strategies and improvements aimed at enhancing student evaluation methods, ensuring that assessments are fair, transparent, and conducive to student success.

2. Academic Integrity Policy

Mr. Sok Sarin, Education Quality Manager, outlined the Academic Integrity Policy, reinforcing the university's commitment to maintaining high ethical standards in all aspects of the learning process. The policy aims to create an environment that promotes honesty, respect, and academic fairness.

3. Human Resources Policy

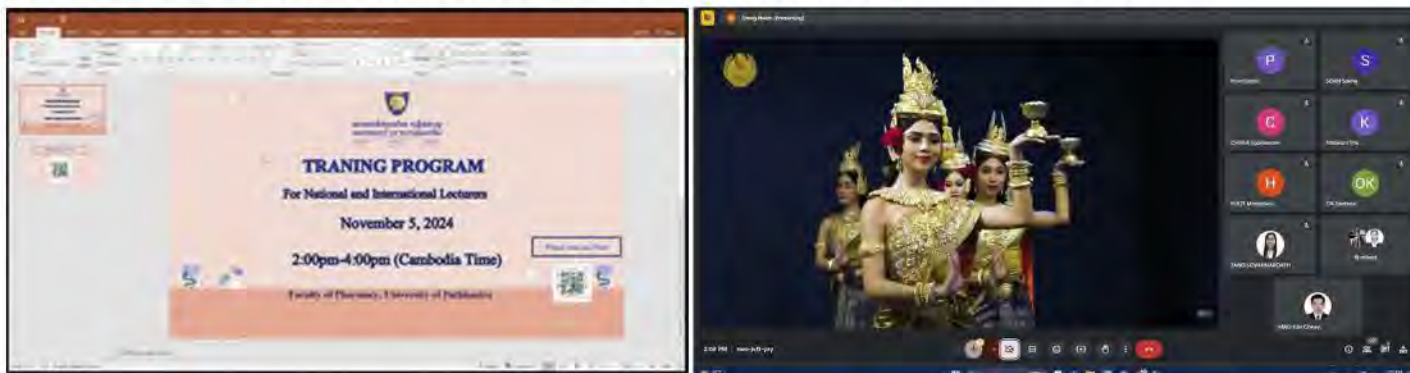
Ms. Ken Prohm vibossny, Senior HR Officer, concluded the presentations with a detailed overview of the Human Resources Policy. This session provided valuable information on faculty support services, staff benefits, and key resources available to lecturers throughout the academic year.

After each presentation, Q&A sessions were held, allowing faculty members to ask questions and gain further clarification on the topics discussed.

Professor Chea Sin closed the orientation with final remarks, expressing sincere gratitude to all lecturers for their dedication and tireless contributions to UP's mission of academic excellence. He encouraged faculty members to continue their efforts in creating a supportive and dynamic learning environment for students.

The University of Puthisastra is looking forward to a successful and inspiring academic year, driven by the collective commitment of its faculty and staff.

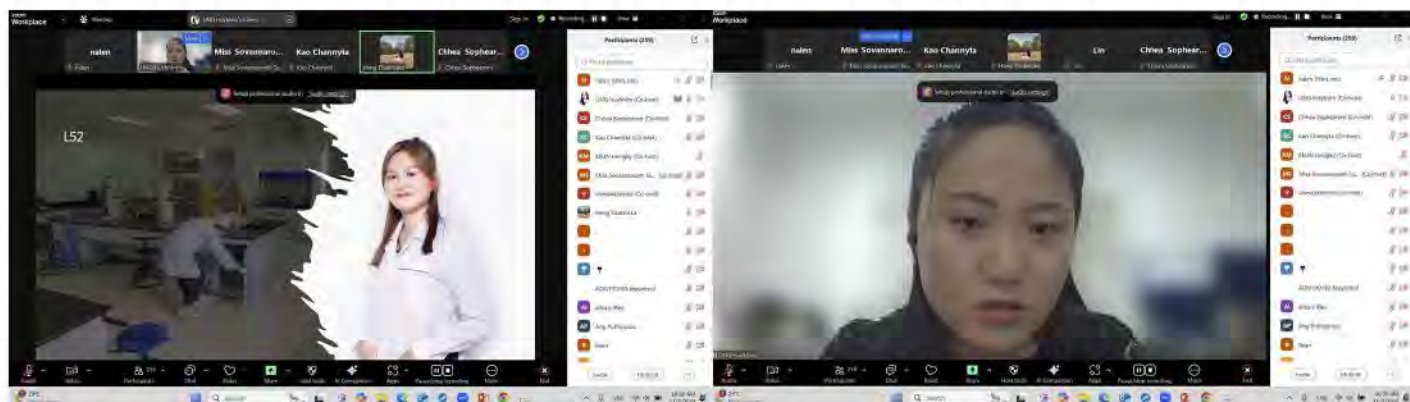
UPOP SYSTEM TRAINING FOR PHARMACY LECTURERS



On November 5, 2024, the Faculty of Pharmacy of the University of Puthisastra organized a training course on UPOP with the participation of full-time and part-time lecturers and both national and international lecturers. The training was opened by Assistant Professor Chhea Sophearom, Representative of Professor Chea Sin, Dean of the Faculty of Pharmacy, and presented by Mr. Roeung Manith, Digital Learning Facilitator, under the theme: Question Bank Management, How to Create a Project/Assignment, and Manual Grading in UPOP.

This course reflects the University of Puthisastra's commitment to supporting lecturers and providing students with a strong and creative educational environment.

ORIENTATION OF PHARMACY STUDENTS FOR THE NEW ACADEMIC YEAR 2024-2025



On the morning of Thursday, November 7, 2024, the Faculty of Pharmacy of the University of Puthisastra organized a program to orient medical students to prepare for the new academic year 2024-2025 from 9:00 am to 12:00 pm with the participation of professors, staff, and pharmacy students of the Faculty of Pharmacy.

This orientation course covers key topics including policy on exam evaluation, local and international internships and study tours, as well as current developments in the medical laboratories of the Faculty of Pharmacy and club updates. Pharmacology, research, and innovation in the field of pharmacy, especially the profession of postgraduate pharmacist for students.

The Faculty of Pharmacy warmly welcomes new students for the 2024-2025 academic year, excited to support them on their journey to academic and professional success!

PUBLISH A SCIENTIFIC RESEARCH ARTICLE ENTITLED

"ANALYSIS OF SECONDARY METABOLITES, HPLC ANALYSIS, AND PROTEIN CONTENT, AND ANTIOXIDANT PROPERTIES OF CALOSTOMA INSIGNE IN CAMBODIA"



Congratulations to Ms. Ly Lina, Mr. So Visessasketh, Head of the Pharmacognosy, and Professor Chea Sin, Dean of the Faculty of Pharmacy, Puthisastra University, for receiving approval to publish a scientific research article entitled "Analysis of Secondary Metabolites, HPLC Analysis, and Protein Content, and Antioxidant Properties of Calostoma insigne in Cambodia" in the International Journal of Public Health Asia Pacific.

Under the initiative and guidance of Prof. Chea Sin, Dean of the Faculty of Pharmacy, this achievement is a testament to the dedication and hard work of the faculty, staff, and students who participated in this research, as well as the university's continued commitment to contributing valuable insights to the field of basic pharmaceutical sciences.

PHARMACY STUDENTS JOINED PROJECT ANGKOR



Under the leadership of SOMA GROUP, two Pharmacy students from the University of Puthisastra teamed up with a medical team from the USA for "Project Angkor" from November 19 to 23, 2024, at Siem Reap. The aim of this project was to provide free health care services and educations for the people of Samroang Village in Leang Dai Commune, Siem Reap Province.

This collaboration between Pharmacy and Medical students from the University of Puthisastra and the medical team from the USA highlights the power of international cooperation in improving community health.

UP REPRESENTATIVES COMPETE IN THE SECOND ROUND OF SOMA CHALLENGES 2024



On November 22, 2024, Mr. Kao Dara and Mr. Sek Sopheak from the University of Puthisastra's Faculty of English Excellence and Employability proudly participated in the second round of the Soma Challenges 2024. The event was led and presided over by Lok Chumteav Cham Krasna, CEO of Soma Group, to foster collaboration, encourage creativity, and provide a platform for showcasing skills across sports, general knowledge, art, and innovation.

This round featured two dynamic themes: 1) innovation, which tested technical expertise in building design, architecture, and engineering, and 2) art, which celebrated creativity through the composition, interpretation, and emotional recitation of Khmer poems. Both of the representatives from UP joined the Kirivong group and took part in the art competition.

Four groups—Kok Thlork, Kirivong, Bati, and Bakong—competed vigorously. After hours of intense competition, Kirivong claimed first place, with Bakong finishing as runners-up. However, this is only the result for the second round, and all groups have to take another tournament—sports—to find out whose group will be the winner.

Finally, Lok Chumteav Cham Krasna commended all participants for their dedication, creativity, and exceptional teamwork. She expressed her heartfelt happiness at the program's impactful and unexpected results, which demonstrated the values of collaboration and innovation.

UP's participation reflects its unwavering commitment to excellence and alignment with Soma Group's vision of talent development and teamwork.

Writer: Kao Dara

Proofreader: Sok Noeun

Date: Nov 26, 2024 12:00 PM

MEETING WITH REPRESENTATIVE FROM SATHAPANA BANK TO DISCUSS POTENTIAL MOU



The Faculty of Information and Communication Technology (ICT) had a fruitful meeting with representatives from Sathapana Bank, with the goal of reinforcing the terms and extending the scope of the Memorandum of Understanding (MoU).

The meeting, held at the university's campus, marks a significant milestone in the collaboration between academia and the financial sector. Both parties recognized the immense potential of their partnership to benefit not only the bank and the university but also the broader community, including students and staff.

FACULTY OF ICT JOINS THE LAUNCH OF ETHICS OF AI READINESS ASSESSMENT IN CAMBODIA



A representative from the Faculty of ICT participated in the Launch of the Ethics of Artificial Intelligence (AI) Readiness Assessment in Cambodia". The event, organized by the Cambodia Academy of Digital Technology (CADT) in collaboration with UNESCO, brought together around 180 participants, including experts and representatives from ministries, government agencies, research and educational institutions, private sector organizations, development partners, and civil society.

This launch marks a significant step toward evaluating Cambodia's preparedness for the ethical and responsible adoption of AI technology. The assessment aims to outline the current landscape, identify challenges and opportunities, and provide actionable recommendations for development and risk management. With UNESCO's technical support, the Readiness Assessment Methodology (Ram) was introduced to measure AI readiness across five key dimensions: legal frameworks, society and culture, science and education, economy, and technology and infrastructure. This initiative is expected to clear the way for informed decision-making in Cambodia's AI development journey.

JOINED THE 3RD CAMTECH INDUSTRY FORUM



A member of the Faculty of ICT actively participated in the 3rd CamTech Industry Forum, focusing on aligning academic programs with industry demands. The forum gathered key stakeholders, including educators, policymakers, and industry leaders, to exchange insights on emerging trends and workforce needs in Cambodia's tech sector. The faculty representative contributed ideas to update Cam Tech's curriculum, ensuring it remains relevant and responsive to technological advancements. This engagement highlights the faculty's commitment to producing graduates equipped with the skills needed to thrive in the evolving digital.

LECTURE 3: INCREASING ROLE OF DATA-DRIVEN APPROACH IN SENSOR DEVELOPMENT



Distinguished member of the Faculty of ICT recently participated in the "Lecture 3: Increasing Role of Data-Driven Approach in Sensor Development." This insightful session explored the integration of advanced data analytics into sensor technology, emphasizing innovations in accuracy, efficiency, and practical applications across industries. The participant represented the faculty's commitment to staying at the forefront of technological advancements and fostering expertise in emerging fields. This engagement highlights the faculty's continuous efforts to promote research and professional development in data-driven solutions.

FACULTY OF ICT MEMBER VOLUNTEERS TO BOOST MARKETING EFFORTS AT MAJOR CAREER AND BUSINESS EVENTS

A dedicated member of the Faculty of ICT volunteered to support marketing activities at two significant events in Cambodia: the University and TVET Fair 2024 on November 22-23 at the CJCC and the Khmer Enterprise Ecosystem Day 2024 on November 24-25 at the Koh Pich Exhibition Hall. The University and TVET Fair 2024 aimed to connect high school students, fresh graduates, and job seekers with leading educational institutions and vocational training centers.

Meanwhile, the Khmer Enterprise Ecosystem Day brought together entrepreneurs, startups, SMEs, investors, and business leaders to foster collaboration and innovation in Cambodia's dynamic business landscape. The ICT faculty member played a role in promoting the events, engaging with attendees, and ensuring the marketing efforts highlighted the diverse opportunities available. Their contribution not only enhanced the visibility of the Faculty of ICT but also supported the events' mission to empower Cambodia's youth and entrepreneurs.



NEE PREPARATION COURSE AND MOCK TEST



The University of Puthisastra (UP), the Department of Foundation Year, has been successfully running a pre-university preparatory course for almost five years.

This course offers three subjects: Biology, Mathematics, and Chemistry, taught by experienced lecturers with extensive expertise in their respective fields.

This course is designed to help new graduate high school students pass the National Entrance Exam (NEE). Delivered in a classroom setting, the course includes comprehensive study materials, such as illustrated slides to enhance students' understanding and engagement.

The course aims to achieve the following key objectives:

- 1.Enhance student outcomes by ensuring that practices are integrated into each question and that students fully understand the entire textbook.
- 2.Provide students with effective strategies to guide their ability to answer questions appropriately while adhering to the ministry's standards step by step.
- 3.Improve students' practical skills within limited time management, in alignment with the ministry's requirements.
- 4.Encourage students to repeatedly practice and review previous tests to develop familiarity with the exam questions and format.

MOCK EXAM ORGANIZED BY FOUNDATION YEAR DEPARTMENT FOR NEE STUDENTS



On November 20, 2024, the Foundation Year Department of the University of Puthisastra organized the first mock exam for high school students in order to let them learn and prepare themselves for the upcoming National Entrance Exam (NEE) to health science programs.

The mock exam, designed to replicate the actual exam, covered three subjects: Biology, Mathematics, and Chemistry. This allowed the students to evaluate their strengths and weaknesses, get familiar with the actual exam format, and practice time management.

By engaging in this mock exam, students gained experience and confidence in preparing to enhance their chances of success in the highly competitive exam for admission. This first mock exam, part of a series of two, is an integral component of the NEE course offered by the University of Puthisastra.

FY MENTOR RECOGNITION PARTY (2023-2024)



On Monday, November 25, 2024, the Foundation Year Department of the University of Puthisastra (UP) hosted the Mentor Recognition Party to express our heartfelt gratitude to the first-generation mentors for their dedication and hard work throughout the 2023-2024 academic year in supporting our junior students.

Prof. Ian Rouse, President and Vice-Chancellor of the University of Puthisastra, presented certificates of recognition to all 37 mentors and extended his warm regards and sincere thanks to them.

Once again, thank you to all our mentors for your kind support throughout the year!

CLERKS COMPLETION: ADNY2 BATCH 12



From September 30 to October 31, 2024, the Faculty of Nursing and Midwifery at University of Puthisastra led 71 years 2 Batch 12 students on their clerkship at four hospitals: Techo Santepheap National Hospital, Cambodia China Friendship Hospital, Khmer Soviet Friendship Hospital, and Angdoun Hospital.

During this period, students gained hand-on experience in various clinical settings, working closely with health care professionals to apply their theoretical knowledge. They participated in patient care, observed medical procedures and learned to manage real-world healthcare challenges.

To wrap up their training, students were divided into groups to create and present nursing care plans. Each week, they submitted a nursing care plan assignment under their clinical instructors' guidance. One of these plans will be chosen for group presentation at the University of Puthisastra. This process helps them improve their practice skills, critical thinking, and teamwork, preparing them for their future roles as nurses.

FACULTY OF MEDICINE CELEBRATING WHITE COAT CEREMONY FOR MEDICAL STUDENTS

Faculty of Medicine proudly held the White Coat Ceremony, honoring 4th-year medical students to the mark the remarkable transition from the pre-clinical year to the clinical year.

The ceremony began with the National Anthem of Cambodia, followed by the welcome speech by Prof. Ian Rouse, President and Vice Chancellor. He emphasized how important it is to mark this transition and students have to be ready to improve their clinical skills, to develop the professionalism and to improve the quality of lives of the patients.

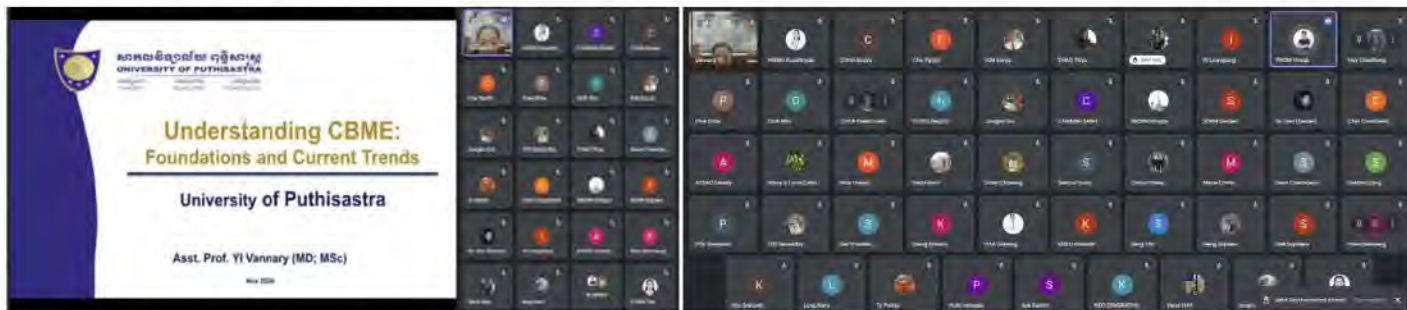
Asst. Prof. Prom Vireak, Acting Dean of the Faculty of Medicine, cited the history of white coat, the reason of picking white color at the white coat and its meaning. During his speech, he also encourages students to embed the sense of professional responsibility, caring and treating patients and their family members with compassion since white coat is the color of purity and expertise.

During the ceremony, students received their white coats, symbolizing their readiness to begin hands-on clinical experiences. The event also included the recitation of the Hippocratic Oath, reinforcing the students' commitment to medical ethics and patient care.

The ceremony concluded with a group photo session, capturing the pride and joy of this memorable occasion.



TRAINING WORKSHOP FOR PART-TIME MD LECTURERS: PREPARING FOR EFFECTIVE MCQS IN THE UPCOMING SEMESTER



Faculty of Medicine successfully conducted a training workshop titled "Preparing for Effective MCQs in the Upcoming Semester: A CBME Approach." The event brought together 51 enthusiastic part-time lecturers who actively engaged in discussions and activities throughout the session.

Led by Assistant Professor Dr. Yi Vannary and Assistant Professor Dr. Prom Vireak, the workshop aimed to equip participants with the necessary skills and knowledge to enhance their teaching and assessment practices for the upcoming semester. It also served as a preparatory step towards implementing the Competency-Based Medical Education (CBME) curriculum, planned for 2026 under the Ministry of Health's directive. Key highlights of the workshop included:

1. Understanding Competency-Based Medical Education (CBME): Participants explored CBME principles, objectives, and assessment methods, and discussed the differences between CBME and traditional curricula.
2. Active Learning Approach in CBME: Case-Based Learning (CBL): Lecturers gained insights into using case-based learning to foster active engagement and deeper understanding among students, an essential component of CBME.
3. Writing Effective MCQs in CBME: Lecturers learned how to create high-order thinking multiple-choice questions aligned with learning objectives, while avoiding common technical flaws.

The interactive nature of the workshop fostered meaningful discussions, enabling lecturers to share insights and best practices.

We extend our gratitude to all participants for their dedication and commitment to advancing medical education. Together, we continue to move forward, ensuring excellence in teaching and learning.

FACULTY OF MEDICINE CONDUCTING THE PREHOSPITAL TRAINING FOR YEAR-6 STUDENTS



Prehospital training is the simulation programs that was developed to equip the students with clinical skills before they start their clinical rotation in the hospitals. The faculty recently conducted the prehospital training for year-6 medical students. This training is designed to prepare students for their upcoming clerkships in hospitals throughout Phnom Penh during Semester I, Rotation I of the 2024-2025 academic year.

The training encompassed three distinct skill stations: (1) Airway and Breathing Management, (2) Lumbar Puncture, (3) How Reading Electrocardiograms (ECGs)

The event featured instructors from both public and private hospitals who served as the instructors, with the goal of providing effective strategies, practical experiences, and essential knowledge to the medical students.

This initiative aims to enhance student confidence and competence in patient care within hospital settings.

FOUR MEDICAL STUDENTS FINISHED THE ELECTIVE PROGRAM IN CHIANG MAI UNIVERSITY, THAILAND



After spending 4 weeks in Chiang Mai University for their international elective program, the students expressed their impression during their clinical rotation. The elective program was a path of development and exploration. It provided us with an entirely experiences. Our instructors, the specialists and professors, were exceptionally knowledgeable and skillful, yet very accessible. They welcomed inquiries and conversations, creating an atmosphere of open dialogue during each lecture. We appreciated their commitment to teaching and caring for patients. In particular, the emergency department staff was exceptionally kind and supportive to the patients.

They encouraged taught us to develop the compassionate care to the patients and family. This elective program represented much more than merely an academic pursuit. It was a path of development, of moving beyond our comfort zone, and of discovering motivation surprising locations. Chiang Mai University and its community made a significant impact on us, one that will remain with us as we advance in our careers.

MEDICAL STUDENTS STARTING THEIR FIRST CLINICAL ROTATION IN ACADEMIC YEAR 2024-2025



75 year-6 students started their first clinical rotation in the new academic year.

They were divided into the group and allocated to the different hospitals in Phnom Penh for Gynecology-Obstetrics, Pediatrics and Imaging Studies. The 5 hospitals include: Khmer Soviet Friendship Hospital, Cambodia-China Friendship Preah Kossamak Hospital, National Pediatric Hospital, Preah Ang Doung Hospital, National Maternal and Child Health Center.

The Faculty of Medicine strongly hope that during the course of this rotation, the students could enhance their clinical skills in these esteemed hospitals.

THE IMPRESSION FROM 9 MEDICAL STUDENTS WHO COMPLETED THEIR ELECTIVE PROGRAM AT KHON KAEN UNIVERSITY, THAILAND



Nine students from Faculty of Medicine successfully completed their one-month clinical rotation at Khon Kaen University. Everyone had the chance to exposure to entirely different environment and new experiences from the respective departments that they went to.

Chea Moni Sota (Department of Pediatric Surgery)

it an inspiring and eye-opening experience that broadened my understanding of the specialty. I encountered a fascinating range of complex cases and was especially impressed by the senior doctor's thorough bedside teaching. This experience not only strengthened my medical knowledge but also deepened my passion for pediatric surgery.

Chy Vannet (Department of General Surgery)

I was allowed to engage with advanced surgical methods through my month-long. This strengthened my comprehension and technical skills under the observation of qualified medical specialists, gaining valuable experience with challenging cases.

Seng Somuta (Department of Plastic Surgery)

The experience broadened my understanding of both reconstructive and cosmetic procedures, while enhancing my clinical skills. I was impressed by the kind support, and dedication of the staff who were always willing to teach and guide me. This elective not only deepened my passion for plastic surgery but also strengthened my commitment to pursue this field in the future.

Vat Kompheak (Department of Plastic Surgery)

I gained valuable insights into surgical techniques and patient care, especially during grand ward rounds. I also had the chance to join consultations at the OPD, where I learned how to communicate effectively with patients and understand treatment plans. Overall, this experience was incredibly enriching and has greatly expanded my knowledge and skills in the field.

Chum Vannkheang (Department of Orthopedic Surgery)

The opportunity provided me with invaluable experiences such as the communication skill between doctors and patients, exposing in operation room and enhancing the problem-solving approaches. Also, I gained hands-on experience in the simulation center with endoscopy, laparoscopy, and box simulations.

Chan Kanhavatthey (Department of Pediatric Surgery)

I had chance to observe and scrub diverse cases of surgical disease in children under the guidance of the specialists. I was impressed by the organized workflow, which, along with the hands-on experience and this is my best experience.

Youn Chhaimean (Department of General Surgery)

I gained practical skills and insights into surgical care. Through clinical skill labs, medical audits, and bedside teaching with senior surgeons, I refined my techniques and understanding of patient safety. Observing complex procedures like laparoscopic gastrectomy and hepatectomy broadened my perspective on both open and minimally invasive surgery.

Song Bunthai (Department of Orthopedic Surgery)

The experiences are enlightening and educational. It was particularly encouraging for witnessing the high degree of precision, coordination, and conversation among the surgical team. I also recognized how critical it was to attend to patients' emotional needs in addition to their medical ones. All things considered, this experience enhanced my understanding of the complexities involved in surgical care and strengthened my resolve to advance my clinical expertise.

Tho Sopheaklinda (Department of Anesthesiology)

I gained a comprehensive understanding of the field such as local anesthesia, general anesthesia, jet ventilation, LMA, intubation and the advanced pain management. I am grateful for the skills and knowledge I have gained over the last four weeks, as well as the encouragement I have received from everyone there.

Sao Socheata (Department of Anesthesiology)

I had the opportunity to see the pain unit surgeries. Staff were so welcoming, caring and supportive throughout the journey. I had a great time not only at the Hospital but at Khon Kaen as well.

Chea Lycheang (Department of Psychiatry)

I gained hands-on exposure to diverse therapies, including Electroconvulsive Therapy (ECT), Transcranial Magnetic Stimulation (TMS), and a variety of psychological therapies such as IQ testing, EMDR, and occupational therapy. Each experience deepened my understanding and fueled my passion for psychiatry. This experience has been truly enriching and has broadened my perspective on psychiatric care.

SIX MEDICAL STUDENTS VOLUNTEERED IN PROJECT ANGKOR TO SIEM REAP PROVINCE



Initiated and supported by the Soma Initiatives, 6 medical students from year 6 spent one week in Siem Reap province for their volunteered work in Siem Reap province.

Project Angkor is an astonishing project that provides free health care and dental care for those in need in the local community in the province. It is the best opportunity for the students to work closely with the Cambodian-American team and medical doctors from the United States.

The students could enrich their knowledge and clinical experiences from the experts in different fields. It ranges from Emergency Medicine to Family Medicine and Pediatrics.

This amazing activity captivated our hearts and reignited our passion in the medical profession to help the Cambodian people. They are so proud and ecstatic with unforgettable experiences and hope to participate again in the following years. Chhin Viraksambath, the representative of the students, expressed his gratitude: "We would like to thank the faculty of medicine and Project Angkor for providing us the opportunity to participate this project".

UP'S HEALTH SCIENCES AND BIOTECHNOLOGY ORGANIZED THE STUDENTS ORIENTATION, ACADEMIC YEAR 2024-2025



On 18, November 2024, the Department of Science Research and Laboratory Sciences, the Faculty of Health Sciences and Biotechnology, the University of Puthisastra conducted an orientation session for the students of Bachelor of Science Research (BSR), Associate Degree in Medical Laboratory Technology (ADL), and Bachelor Degree of Medical Laboratory Technology in Bridging (BBL).

The purpose of student orientation is to demonstrate readiness for the new semester, curriculum, internships, study tours, and research activities, as well as UP's policy and student regulations. Through this orientation, the Faculty of Health Sciences and Biotechnology strongly believes that the teaching and learning activities in the first semester will run smoothly.

UP'S HEALTH SCIENCES AND BIOTECHNOLOGY ORGANIZED THE LECTURER ORIENTATION, ACADEMIC YEAR 2024-2025

On 12 November 2024, The Faculty of Health Sciences and Biotechnology, University of Puthisastra, has conducted an online Lecturer Orientation session focusing on UP assessment learning policies, individual and group assignment setting up, rubric and manual grading setting up, and a new academic plan to ensure all lecturers are ready to provide effective teaching to our students. The orientation was attended by our lecturers, the Faculty of Health Sciences and Biotechnology's staff, HR and QLTS representatives.

We would like to thank you for everyone's participation, in taking part in this orientation; it improves a lot regarding the teaching quality at the University of Puthisastra.

UP'S MEDICAL LABORATORY TECHNOLOGY STUDENTS PARTICIPATED IN THE "THE STUDY OF ANEMIA DISEASE ON WOMEN, HEALTH EDUCATION AND CHARITY"



Medical Laboratory Technology students from the Faculty of Health Sciences and Biotechnology, University of Puthisastra (UP), participated in the "The Study of Anemia Disease on Women, Health Education, and Charity".

This event was organized by the V.S Medical Laboratory in Phnom Srok District, Banteay Meanchey Province from 10 to 12 November 2024. The University of Puthisastra would like to thank the V.S Medical Laboratory for allowing students to participate in this memorable program.

For more information about the ADL program, please contact us via telegram group ADL Information UP (<https://t.me/+3elkZJiyV-BmOTZI>)

UP'S SCIENCE RESEARCH STUDENTS PRESENTED AT THE INTERNATIONAL CONFERENCES STT50 IN THAILAND



Science Research students of the Faculty of Health Sciences and Biotechnology of the University of Puthisastra, presented their research as a poster at the 50th International Congress on Science, Technology, and Technology-based Innovation (STT50), was held at The Empress Hotel, Chiang Mai, Thailand. From 25 to 27 November 2024.

There were five topics as listed below:

Title 1: Quantification of Sodium Dithionite in Bean Sprouts from Markets Located in Phnom Penh, Cambodia

This is a group research work as follows:

Mr. Pek Linheng, Science Research, Batch 2
 Ms. Makara Seihakpanha, Science Research, Batch 2
 Ms. Soknea Seakleang, Science Research, Batch 2
 Ms. Phally Seavmean, Science Research, Batch 3
 Mr. Chao Tha Chea Buthra, Science Research, Batch 2

Mr. Phal Bunrong, Science Research, Batch 2

Supervised by Ms. Chhun Sreynich, a full-time lecturer at the Faculty of Health Sciences and Biotechnology of the University of Puthisastra.

Title 2: Effect of Temperature and Storage Duration on Vitamin C Content in Pursat Orange Juice (*Citrus sinensis* (L.) Osbeck)

This is a group research work as follows:

Ms. Orn Sreyneath, Science Research, Batch 1
 Ms. Horn Chanvita, Science Research, Batch 1
 Ms. Kaosun Bya, Science Research, Batch 1

Supervised by Ms. Chhun Sreynich, a full-time lecturer, and Mr. Be Sokkeang, Science Research program manager at the Faculty of Health Sciences and Biotechnology of the University of Puthisastra.

Title 3: Assessing the Safety of Drinking Water in Urban Slum Vs. Rural Cambodia: *Escherichia coli* Detection Using H2S Test Kits

By Mr. Peung Keangseng, Science Research, Batch 2

Supervised by Mr. Be Sokkeang, a Science Research program manager at the University of Puthisastra.

Title 4: Microplastic Pollution - A Treat to Human Health: What Can Cambodia Do?

This is a group research work as follows:

Ms. Soknea Seakleang, Science Research, Batch 2
 Ms. Makara Seihakpanha, Science Research, Batch 2

Supervised by Ms. Chhun Sreynich, a full-time lecturer at the Faculty of Health Sciences and Biotechnology of the University of Puthisastra.

Title 5: Determination of Extracted DNA From Human Blood Cells Using QIAAMP® DNA Blood Mini Kit

This is a group research work as follows:

Ms. Leng Sreylin, Science Research, Batch 1
 Ms. Men Kalyansethyroat, Science Research, Batch 1
 Ms. Penh Rotha, Science Research, Batch 1

Supervised by Ms. Heng Sreyly, a full-time lecturer, and Mr. Be Sokkeang, Science Research program manager at the Faculty of Health Sciences and Biotechnology of the University of Puthisastra.

CAMBODIA SMILE PROGRAM



The Cambodia Smile program is a national oral health initiative managed by public health officials, including dental nurses, nurses, and midwives, who apply fluoride varnish to young children as a preventive measure against tooth decay.

This service is provided during routine vaccinations. The program receives support from the Collaborating Centre for Innovation in Population Oral Health (CIPO) at the University of Puthisastra, which offers training, refresher courses, online webinars, and gifts every six months.

In October 2024, fluoride varnish was applied to 945 children across 11 health centers in Siem Reap, 18 health centers in Kampong Speu, and 6 health centers in Kampong Chhnang.

MEETING WITH BUDDHIST LIBRARY CAMBODIA PROJECT (BLCP)



Dr. Bethy and Dr. Thyda from the Collaborating Centre for Innovation in Population Oral Health (CIPO) at the University of Puthisastra provided an overview presentation to the BLCP team, exploring potential collaboration opportunities between both parties. They also offered guidance on the approach to be taken for conducting the survey.

Dr. Horn Rithvitou agreed to serve as a consultant and will prepare a pitch presentation for the team. Additionally, the meeting provided a valuable opportunity for discussion, where ideas and strategies were shared to ensure the success of the project.

UP WEBINAR SERIES –PEDIATRIC DENTISTRY FOR GENERAL DENTISTS



**INTERCEPTIVE
ORTHODONTICS**

BY DR. CHRIS PARK





01st December, 2024

8:00Pm - 10:00Pm

2 CPD

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We are happy to share that UP has organized a Webinar series "UP WEBINAR SERIES –PEDIATRIC DENTISTRY FOR GENERAL DENTISTS"

The eighth topic in the webinar series is "Interceptive orthodontics" by Dr. Chris Park

In this lecture Dr. Park will go over the definition, purpose and examples of "interceptive orthodontics". He will discuss orthodontic treatment planning in the primary and mixed dentition, and show a range of completed cases. Webinar date: 01st December 2024 (8:00 PM to 10:00 PM, ICT)

Platform: ZOOM meeting

Meeting ID: 822 9264 2532

Passcode: 320034

The participants who register, will be awarded 2 CPD points and certificate of attendance after the webinar. Register yourself using the below link, the registration fee is \$5.

It is a request that you please fill the registration form, without that your registration won't be complete/confirmed.

<https://forms.gle/ieBRD4rMSEgEEFug9>

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Please join our Telegram CPD group to receive updates on next similar courses - <https://t.me/+DC4CoYdVR7YwNWI1>

and webinars updates - <https://t.me/+zGu5JfZiNOhhYzI1>

For more information, contact Ms. Nget Sopheak via email nsopheak@puthisastra.edu.kh or telegram +855 96 55 96 917

HEALTHY KIDS LEVEL 1 DENTAL TREATMENT AT HAGGOVE PRIMARY SCHOOL



The Collaborating Centre for Innovation in Population Oral Health (CIPO) at the University of Puthisastra provided oral health education and Level 1 treatment to children at Haggove Primary School. Over the course of four days, our team successfully treated 348 children. This initiative was supported by Dr. Steve's team from the Cambodia Oral Health Partnership (COHP). Dr. Steve and his team will return in February 2025 to oversee Level 2 treatment. We are deeply grateful to Dr. Steve and his team for their valuable contribution to improving the oral health of Cambodian children.

THESIS DEFENSE ON 21ST OF NOVEMBER 2024



On 21st of November 2024, the Department of Dentistry hosted thesis defenses for students from Batch 4 Group 58 titled "Knowledge and Preparedness of Cambodian Dentists for Management of Medical Emergencies in the Dental Clinic". The students presented in this thesis are KOU Lyhour, HAL Sopanha, LY Mengkheang under the supervision of Dr. SOM Sochenda and Prof. Callum DURWARD as a co-supervisor. The chair examiner for this session is Asst. Prof. SOEUN Sopharith, along with Prof. HONG Someth and Dr. PING Bushara served as examiners. The outcome of this defense is a Pass with Credit. Congratulations to the students.

Abstract

Background: The best way to handle emergencies is to prepare in advance. Medical emergencies in dental offices are unpredictable and not uncommon. Medical emergencies are acute conditions that require urgent attention and can be life threatening, if not managed correctly.

Aim: to investigate the knowledge, experience, preparedness and training of Cambodian dentists related to the management of medical emergencies in the dental clinic.

Materials and Methods: A cross-sectional survey questionnaire was administered to a random sample of 150 dentists registered with the Cambodian Dental Council. Each dentist was contacted by phone and invited to participate in the survey. The questionnaire was sent to them online via Facebook or Telegram.

Results: The most common medical emergencies experienced by dentists in this survey were hypoglycemia 52.6%, syncope 15.8%, hyperventilation 10.5%, choking 7.9% and seizure 5.3%. 2.6% of dentists had experienced a patient with anaphylaxis, hypertension or cardiac arrest. 68 dentists (50%) had received training in medical emergencies after graduation. 82.4% of dentists had an emergency medical kit in their clinic. The most common pieces of equipment available in the dentists' clinics were blood pressure monitor 95.5%, disposable syringes 67.9% and pulse oximeter 67.0%. Only 8.0% had an AED. When asked what drugs were available in their dental office, 46.4% had adrenaline, 83.0% glucose/sugar/candy/sweet drink, 25.9% glucagon, 24.1% an asthma inhaler, 44.6% diazepam/midazolam, 9.8% glyceryl trinitrate, 54.5% aspirin and 9.8% flumazenil. Few dentists felt "very confident" to manage a range of medical emergencies. Most felt "confident" or "slightly confident". Emergency procedures which had lower confidence levels included IV drug administration 37.5%, oxygen administration 20.5%, and use of medical equipment and drugs 16.9%.

Conclusion: The study showed that hypoglycemia was the commonest medical emergency encountered. Dentists had a limited understanding of urgent medical events, medications and equipment. There is a need for additional medical emergency training in order to improve dentists' knowledge and confidence in managing medical emergencies.

Keywords: Medical emergencies, dentists, emergency drugs, emergency equipment, dental clinics, Cambodia

THESIS DEFENSE ON 26TH OF NOVEMBER 2024



On 26th of November 2024, the Department of Dentistry hosted thesis defenses for students from Batch 2 Group 42 titled "Mandibular Third Molar Impaction on Orthopantomogram(OPG) in university of Puthisastra Dental Clinic" The students presented in this thesis are LOR Kimchhay, SOK Danin, HEUNG Gechhouy under the supervision of Dr. TAK Ranuch. The chair examiner for this session is Asst. Prof. SOEUN Sopharith, along with Dr. SAM Sovatdy, Dr. SOM Sochenda served as examiners. The outcome of this defense is a Pass with Credit. Congratulations to the students.

ABSTRACT

Introduction: Removal of the impacted molar is one of the most common procedures performed at University of Puthisastra Dental hospital (UPDH) by students, and dentist. This study will provide useful information regarding the characteristics and difficulties which allow for better treatment planning and patient consent.

Aim: To determine the prevalence, severity, and the classification of impacted mandibular third molars a of the panoramic radiographs of patients attending the UP Dental Hospital.

Methods: This was a cross-sectional study of a haphazard sample of 300 OPGs from the University of Puthisastra Dental Hospital. 300 Panoramic radiographs taken at UP showing at least one impacted third molar of patients aged between 17 and 30 years were selected by the investigator.

Result: There were similar number of male and female participants of this study. The mean age of the participants was 23.5 (SD 4.0). The minimum age was 17 and the maximum age was 30 years old. Dental caries around found to be most common radiograph pathology associated with the impacted third molar 6.8%. Only 3 participants had bone resorption and two had apical pathology. Based on difficulty index. Overall, approximately two third of the participants impactions were classified as slightly difficult 29% as "moderately difficult" and 4% as "very difficult" there were no significant difference between male and females.

Conclusion: The finding of this study has found that panoramic x-ray is in most cases enough to use as a diagnosis and treatment plan tool for assessing the characteristics of the impacted third molar.

Keyword: University of Puthisastra, Impacted teeth, Pathology, X-ray

