



The 8th International Workshop on Clinical Research Methods in Oral Health February 20 – 24, 2023

Khon Kaen University, Khon Kaen, Thailand

Supported by the NIDCR/FIC, NIH, USA

Courses

- ❖ Research Methods & Evidence-based Dentistry
- ❖ Behavioral Research in Dentistry
- ❖ Ethical Issues in Research
- ❖ Biostatistics
- ❖ Study Design Workshop

Venue:

“Khon Kaen” is one of the large major provinces in Northeastern Thailand. With the well-developed infrastructure and facilities, Khon Kaen has been promoted to be one of the major tourist cities, medical and education hub, commercial and political center of Northeastern Thailand. There are many interesting places in the area such as archaeological sites, amazing rock formations and beautiful temples with nice exterior paints.

Who Should Attend:

The primary audience for this workshop is dentists seeking training in the basic methods that are needed for clinical, public health and behavioral oral health research.

Faculty:

University of Washington, USA

- Christy McKinney, PhD
- Susan Coldwell, PhD

Khon Kaen University, Thailand

- Waranuch Pitiphat, DDS, MPH, MS, ScD, FRCDS
- Jarin Paphangkorakit, DDS, PhD, FRCDS
- Supatra Porasuphatana, PhD
- Bandit Thinkhamrop, PhD
- Nawarat Wara-aswapati, DDS, DMSc, FRCDS
- Teekayu Plangkoon Jorns, DDS, MSc, PhD, FRCDS
- Kemporn Kitsahawong, DDS, MSc, PhD, FRCDS
- Poramaporn Klanrit, DDS, MSc, PhD
- Patimaporn Pungchnachaikul, DDS, MClintDent, PhD
- Araya Pisek, DDS, PhD

Thammasat University, Thailand

- Kritirat Kiatsirirote, DDS, MSc, PhD
- Matana Kettratad-Pruksapong, DDS, PhD, FRCDS
- Nattira Suksudaj, DDS, PhD
- Sutee Suksudaj, DDS, PhD
- Thanya Sitthisettapong, DDS, MSc, PhD

Chulalongkorn University, Thailand

- Oranart Matangkasombut, DDS, PhD, FRCDS

Financial Support:

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Course Format:

The training Program consists of two online learning modules on Biostatistics and Ethical Issues in Research, and in-person workshop for five days. Participants are required to finish all online topics before attending the workshop.

Courses	Topics covered
Research Methods & Evidence-based Dentistry (Instructors: Pitiphat, McKinney & Kettratad)	<ul style="list-style-type: none">• Fundamental Concept• Observational Studies• Establishing Causality• Understanding different types of systematic review and how to appraise them• Systematic Search Strategy for Evidence-informed Practice• Measures of Disease Frequency• Randomized Control Trial• Evidence-based Dental Practice
Biostatistics* (Instructor: Thinkamrop)	<ul style="list-style-type: none">• Overview of Statistics• Central Limit Theorem• Statistical Inference- Confidence Intervals vs P-values• Designing a Statistical Analysis Plan (SAP) for Research• Sample Size Estimation
Behavioral Research in Dentistry (Instructors: Coldwell & Jorns)	<ul style="list-style-type: none">• Measuring Behavior• Measurements in Pain Research• Qualitative Methods• Self-Report• Issues of Reliability and Validity
Ethical Issues in Research* (Instructor: Paphankorakit & Porasuphatana)	<ul style="list-style-type: none">• History• Principles, Codes & Regulations• Respect for Person, Beneficence and Justice• Applying the Three Ethics Principles• Case Studies• Responsible Conduct of Research• Ethical Issues in Research Projects
Research Application (Instructor: Wara-aswapati)	<ul style="list-style-type: none">• Periodontal Research at KKU: Model of “Local Issue-Global Impact”
Study Design Workshop (Instructor: Thai mentors)	<ul style="list-style-type: none">• Planning a Research Project• Discussion of Research Projects• Group Proposal Development and Presentation

* Consist of both online and in-person course

Application:

Applicants should submit an application form along with curriculum vitae, and a recommendation letter from dean. Due to limited seats available, no more than two participants from each institution will be accepted. Application deadline is January 30, 2023. Please fill in the application form at the link or a QR code below.



Contact persons:

Dr. Poramaporn Klanrit (porakla@kku.ac.th)

Ms. Piyachat Chanla
(piyachatchanla@kkumail.com)

Faculty of Dentistry, Khon Kaen University
Thailand

Application Form: https://docs.google.com/forms/d/e/1FAIpQLSfSbsO9mDb7HHZiQp-HqKDv7J0EKfAmMVxVjQ0fXsvqG_JJfg/viewform?usp=sf_link



Tentative Schedule

The 8th International Workshop on Clinical Research Methods in Oral Health February 20 – 24, 2023 ❖ Khon Kaen University Science Park, Khon Kaen, Thailand

Sunday, February 19, 2023

07.00 p.m. Welcome Dinner

Monday, February 20, 2023

08:30 - 09:00 a.m. Registration
 09:00 - 09:30 a.m. Opening Ceremony
 Introduction and Orientation (Pitiphat)
 Group Photo
 09:30 - 10:20 a.m. Planning a Research Project (McKinney)
 10:20 - 10:35 a.m. Coffee Break
 10:35 - 11:25 a.m. Research Methods: Randomized Control Trial (Pitiphat)
 11:30 - 12:20 a.m. Ethical Issues: History & Regulations (Porasuphatana)
 12:20 - 01:20 p.m. Lunch
 01:30 - 02:20 p.m. Biostatistics: Overview of Statistics (Thinkhamrop)
 02:30 - 03:20 p.m. Behavioral Science Applied to Dentistry: Issues of Reliability and Validity (Coldwell)
 03:20 - 03:35 p.m. Coffee Break
 03:35 - 04:25 p.m. Biostatistics: Central Limit Theorem (Thinkhamrop)
 04:25 p.m. Discussion of Research Projects

Tuesday, February 21, 2023

09:00 - 09:50 a.m. Research Methods: Observational Studies I (McKinney)
 10:00 - 10:50 a.m. Ethical Issues: Three principles of the Belmont's report (Paphangkorakit)
 10:50 - 11:10 a.m. Coffee Break
 11:10 - 12:00 a.m. Research Methods: Observational Studies II (McKinney)
 12:00 - 01:20 p.m. Lunch
 01:30 - 02:20 p.m. Objective Measures of Sensory Function: Examples from NIH Toolbox (Coldwell)
 02:30 - 03:20 p.m. Biostatistics: Statistical Inference- Confidence Intervals vs P-values (Thinkhamrop)
 03:20 - 03:35 p.m. Coffee Break
 03:35 - 04:25 p.m. Research Methods: Measures of Disease Frequency (McKinney)
 04:25 p.m. Discussion of Research Projects

Wednesday, February 22, 2023

09:00 - 09:50 a.m. Biostatistics: Designing a Statistical Analysis Plan (SAP) for a Research (Thinkhamrop)
 10:00 - 10:50 a.m. Ethical Issues: Applying ethical principles: Case studies (Porasuphatana)
 10:50 - 11:10 a.m. Coffee Break
 11:10 - 12:10 a.m. Biostatistics: Sample Size Estimation (Thinkhamrop)
 12:10 - 01:20 p.m. Lunch

01:30 - 02:20 p.m.	Evidence-based Dentistry: Understanding different types of systematic review and how to appraise them (Kettratad)
02:30 - 03:20 p.m.	Evidence-based Dentistry: Systematic Search Strategy for Evidence-informed Practice (Kettratad)
03:20 - 03:35 p.m.	Coffee Break
03:35 - 04:25 p.m.	Research Methods: Establishing Causality (Pitiphat)
04:25 p.m.	Discussion of Research Projects

Thursday, February 23, 2023

09:00 - 09:50 a.m.	Self-report Measures: Examples from National and International Surveys (Coldwell)
10:00 - 10:50 a.m.	Behavioral Research in Dentistry: Orofacial Pain Research (Jorns)
10:50 - 11:10 a.m.	Coffee Break
11:10 - 12:30 a.m.	Presentation of Research Projects by Participants
12:30 - 01:20 p.m.	Lunch
01.30 – 04.30 p.m.	KKU Dental School Tour
07.00 p.m.	Farewell Dinner

Friday, February 24, 2023

09:00 - 09:50 a.m.	Ethical Issues: Responsible Conduct of Research (Paphangkorakit)
10:00 - 10:50 a.m.	Qualitative Methods: Collecting Information from Groups (Coldwell)
10:50 - 11:05 a.m.	Coffee Break
11:05 - 11:45 a.m.	Periodontal Research at KKU: Model of “Local Issue-Global Impact” (Wara-aswapati)
11:45 - 12:15 a.m.	Summary and Conclusion (Pitiphat)
12:15 a.m.	Lunch and Departure
13.30 am	Sightseeing

**The schedule is subject to change as appropriate.*