Educational Session Program Saturday 12 October 2024

TRACK A: DATABASE PHARMACOEPIDEMIOLOGY

(Introductory/Intermediate) (English)

Venue: Sanjo Kaikan Large Lecture Room (2ⁿᵈ Floor)

Organizers: Edward Lai and Sallie Pearson

Time	Topic
09:10 (30 mins)	**Designing pharmacoepidemiologic studies from clinical questions** **Instructor:** Esther WY Chan, Hong Kong University

09:00 (90 mins)	**Principles of pharmacoepidemiology using large databases**
	Use of healthcare databases for pharmacoepidemiology research
	  Instructor: Juliana de Oliveira Costa, UNSW
	Cohort study design and estimating drug exposure within healthcare databases
	  Instructor: Michael Falster, UNSW

10:30 (30 mins)	**BREAK**

11:00 (90 mins)	**Evaluation of clinical outcomes in healthcare databases**
	Evaluation of clinical outcomes in healthcare databases
	  Instructor: Shirley Li, Hong Kong University
	Bias and confounding
	  Instructor: Celine Sze Ling Chui
	Thought exercise using healthcare databases to answer a clinical question
	  Instructor: Shirley Li and Celine Sze Ling Chui

12:30 (60 mins)	**LUNCH on your own**
13:30 (120 min)	**Practical skills in protocol writing and statistical analytic programming in pharmacoepidemiology** **Instructor:** Ben Daniels, UNSW
15:30 (30 mins)	**BREAK**
16:00 (90 mins)	**Practical skills in protocol writing and statistical analytic programming in pharmacoepidemiology – case discussion** **Instructors:** Ben Daniels, UNSW Facilitator: Edward Lai, Albert Chung, Steven Shen
17:30	**CLOSE**

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TRACK B: DATABASE PHARMACOEPIDEMIOLOGY

(Introductory/Intermediate) (Japanese)

Venue: Takeda Auditorium

Organizers: Yoshinori Takeuchi, Masao Iwagami

Time	Topic
Morning Session: Fundamentals of Pharmacoepidemiology	
08:30 (60 mins)	**Selection of medical information databases** **Instructor:** Yasunari Sadatsuki, Bayer Yakuhin, Ltd.
9:30 (15 mins)	**BREAK**
09:45 (60 mins)	**Common study designs in pharmacoepidemiology studies** **Instructor:** Wataru Mimura, National Center for Global Health and Medicine
10:45 (15 mins)	**BREAK**
11:00 (60 mins)	**Common biases in pharmacoepidemiology** **Instructor:** Motohiko Adomi, Harvard University
12:00 (60 mins)	**LUNCH on your own**
Afternoon Session: Misconceptions in Commonly Used methodologies in Pharmacoepidemiology	
13:00 (10 mins)	**Introduction to the afternoon session** **Speaker:** Masao Iwagami, Tsukuba University
13:10 (60 mins)	**Causal interpretation of hazard ratio** **Instructor:** Tomohiro Shinozaki, Tokyo University of Science
14:10 (60 mins)	**Time-varying treatment and confounder** **Instructor:** Yasuhiro Hagiwara, The University of Tokyo
15:10 (20 mins)	**BREAK**
15:30 (60 mins)	**Causal inference based on self-controlled study designs** **Instructor:** Yoshinori Takeuchi, Yokohama City University
16:30 (60 mins)	**Missing data analyses** **Instructor:** Aya Kuchiba, Teikyo University
17:30	**CLOSE**

Educational Session Program Saturday 12 October 2024
TRACK C: NON-DATABASE PHARMACOEPIDEMIOLOGY

(Introductory/Intermediate) (English)

Venue: Sanjo Kaikan Meeting Room 01 (1st Floor)

Organizers: Krishna Undela, Kai-Li Liaw

Time	Topic
09:10 (20 mins)	**Designing pharmacoepidemiologic studies from clinical questions** **Instructor:** Kai-Li Liaw, Merck
09:30 (90 mins)	**Principles of descriptive pharmacoepidemiologic study designs** **Instructor:** Krishna Undela, National Institute of Pharmaceutical Education and Research
11:00 (15 mins)	**BREAK**
11:15 (90 mins)	**Principles of analytic pharmacoepidemiologic study designs** **Instructor:** Kai-Li Liaw
12:45 (45 mins)	**LUNCH on your own**
13:30 (30 mins)	**Structure of a non-database pharmacoepidemiologic study protocol** **Instructor:** Kai-Li Liaw
14:00 (75 mins)	**Protocol writing for a non-database pharmacoepidemiologic studies: hands-on experience** **Instructors:** Kai-Li Liaw and Krishna Undela
15:15 (15 mins)	**BREAK**
15:30 (60 mins)	**Statistical analytic programming relevant to non-database pharmacoepidemiology** **Instructor:** Krishna Undela
16:30 (60 mins)	**Critical appraisal of a non-database pharmacoepidemiologic study article** **Instructor:** Krishna Undela and Kai-Li Liaw
17:30	**CLOSE**

Educational Session Program Saturday 12 October 2024
TRACK D: ADVANCED PHARMACOEPIDEMIOLOGY
(English)

Venue: Yasuda Auditorium

Time	Topic
08:30 (90 mins)	**PE guidance in transparency, and reproducibility in Europe, US and Asia** **Instructor:** Olaf Klungel, Utrecht University, Helga Gardarsdottir, Utrecht University
10:00 (30 mins)	**BREAK**
10:30 (90 mins)	**Methods for Validation Study for clinical endpoints** **Organizer:** Takuhiro Yamaguchi, Tohoku University **Instructors:** Masao Iwagami, Tsukuba University, Masataka Taguri, Tokyo Medical University, Kentaro Sakamaki, Juntendo University, Takuya Kawahara, The University of Tokyo
12:00 (60 mins)	**LUNCH on your own**
13:00 (90 mins)	**Advanced topics for the target trial emulation** **Instructors:** Edward Lai, National Cheng Kung University Kenneth Man, UCL School of Pharmacy Joshua Lin, Harvard Medical School
14:30 (30 mins)	**BREAK**
15:00 (60 mins)	**Prevalent New User Design: Considerations, Challenges, and Opportunities** **Instructor:** Kristian B Filion, McGill University
16:00 (20 mins)	**BREAK**
16:20 (70 mins)	**Methods in Environmental Pharmacoepidemiology** **Instructors:** Benjamin Bates, Rutgers University Harish Phuleria, Indian Institute of Technology Bombay Soko Setoguchi, Rutgers University
17:30	**CLOSE**