
BIG 5 LUNG DISEASES WORKSHOP

ORGANIZED BY APSR, UNION APR, WHO SEARO AND WHO WPRO

9:00-16:00, 17 November 2022 | Coex "Room 300", Seoul, Republic of Korea

Contents

Overview.....	2
Workshop website	4
Map.....	4
We welcome you to the Big 5 Workshop, a Collaboration of APSR, Union APR and WHO WPRO and WHO SEAR.....	5
Workshop Program at a glance.....	6
Representatives of the Organisations.....	7
Chairs and Facilitators & Report Writers.....	9
Report Writers Volunteer Report Writers.....	12
Presenters.....	13
Pre-Workshop Reading	14
Delegate template for feedback for each Model.....	15
Program	17
Best practice models: Oral presentations	20
Best practice models: Poster presentations	22

Overview

The Forum of the International Respiratory Society highlights five major lung diseases, the “Big 5”, which include asthma, chronic obstructive pulmonary disease (COPD), acute lower respiratory tract infections, lung cancer, and tuberculosis (TB). These diseases are among the most common causes of severe illness and death worldwide <https://www.firsnet.org/resources/publications>.¹

The United Nations’ (UN) 2030 Agenda for Sustainable Development, aiming to transform our world, has set 17 Sustainable Development Goals (SDGs) and 169 targets. Among the SDGs, Goal 3 “ensure healthy lives and promote well-being for all at all ages” specifically addresses health priorities.

Goal 3 Target 3.4; “By 2030, reduce by one third premature mortality from non-communicable diseases (NCDs) through prevention and treatment and promote mental health and well-being” is particularly relevant for chronic respiratory diseases such as asthma, COPD, and lung cancer. Indicator 3.4.1 assesses the mortality rate attributed to cardiovascular disease, cancer, diabetes or chronic respiratory diseases. In 2015, deaths due to NCDs were 40 million, 70% of 56 million deaths globally. The major causes of death were cardiovascular disease (17.7 million), cancer (8.8 million), chronic respiratory disease (3.9 million), and diabetes (1.6 million). Notably, Target 3.4 includes chronic respiratory disease (asthma and chronic obstructive pulmonary disease (COPD)), other diseases such as acute lower respiratory tract infections and TB continue to contribute a large burden to the WHO Western Pacific (WPRO) and South East Asian (SEARO) regions especially for low and middle income countries (LMIC).

Initiative

Recognising the potential for the Asian Pacific Society of Respiriology (APSR) and UNION Asia Pacific Region (APR) to contribute to the SDG goals by bringing together the clinical expertise of their members and others who have implemented effective best practice models of primary care for the Big 5, this new initiative is a co-designed Workshop to share useful models of care, harnessing the benefits of collaboration between APSR, UNION APR, WHO WPRO and WHO SEARO.

The Workshop is a planned Satellite meeting at the APSR 2022 Congress in Seoul, Korea on 17 November 2022 where approximately 100 delegates will come together, share, and discuss submitted models of care over a day to develop a Report and Toolkit for dissemination and implementation beyond the Workshop.

Invitation

APSR, UNION APR, WHO WPRO and WHO SEARO invited stakeholders and other interested parties to submit “Best Practice” primary care models for preventing, diagnosing, and treating the Big 5 lung diseases that have been locally tested or implemented that may be usefully taken up by other LMIC health care providers in the WHO WPRO and

¹ Forum of International Respiratory Societies. 2nd edition. Sheffield, European Respiratory Society; 2017. The Global Impact of Respiratory Disease.

SEARO regions. The perspective was from primary care and initiatives were expected to be effective, affordable, practical, and able to be described in a Workshop Toolkit that could be broadly disseminated and shared. Effective cross-cutting interventions, e.g., vaccination and tobacco control within the Big 5 were also invited.

Selected models of care will be presented and shared at the Workshop amongst the delegates, and a consensus Workshop Report and Toolkit will be developed.

Workshop website



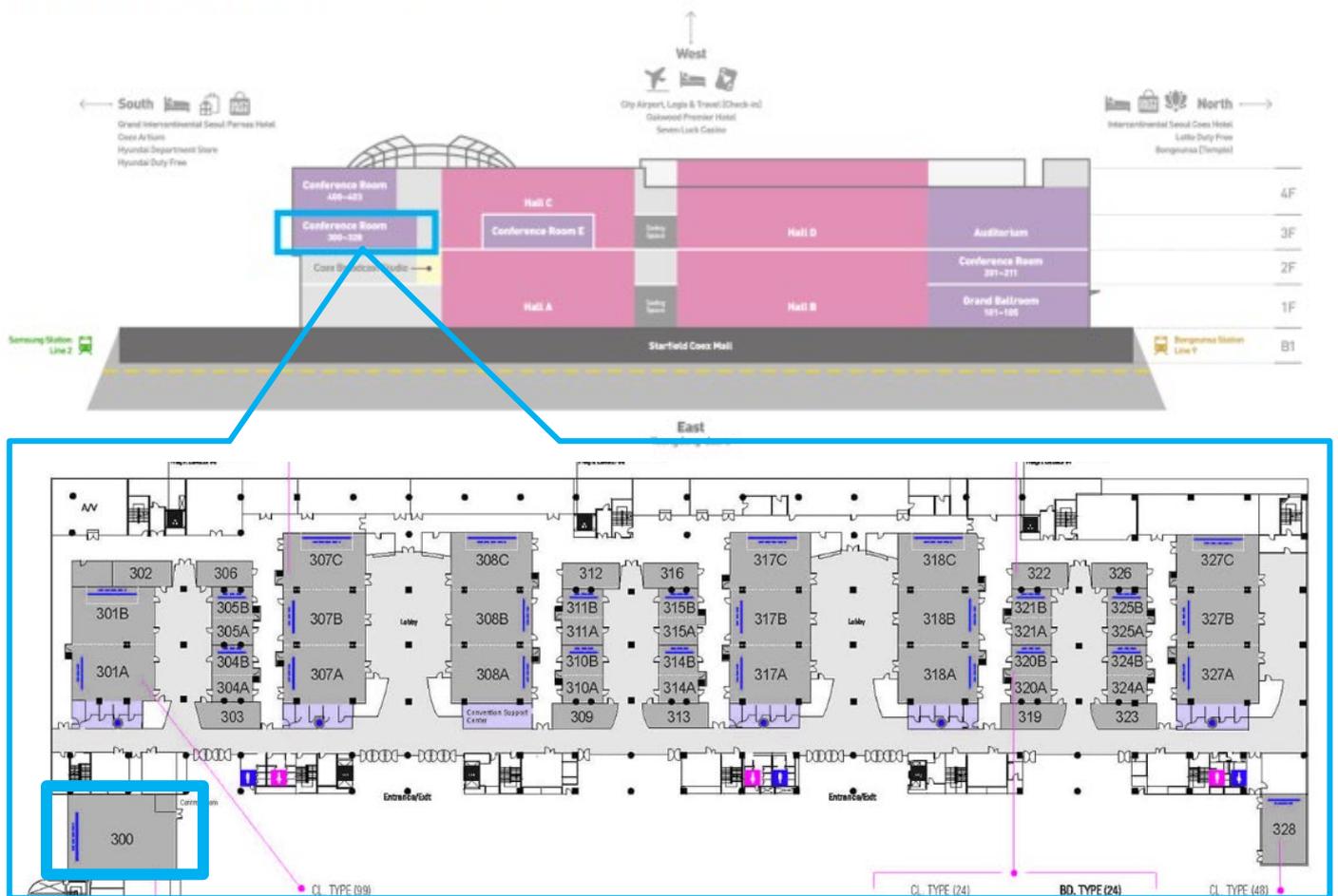
<https://www.workshop.apsr.info/>

Map

Coex, Conference Room South “Room 300”



ENTRANCE AND VENUE LEVELS



We welcome you to the Big 5 Workshop, a Collaboration of APSR,

Union APR and WHO WPRO and WHO SEAR

– at the APSR Conference, Seoul, Korea, Nov. 2022.

The 2019 Manila Union APR Conference hosted senior representatives of APSR and WHO. As is often the case at such meetings, informal discussion led to wondering how these organizations could/should work more closely to make a real difference. At the Hanoi 2019 24th APSR Congress, a formal agreement was reached that this would be an important achievement for this Region.

A strategic objective of each organization was to expand or create new relationships with other regional organisations with like intent, bringing together their somewhat differing resources and different ways of function and using their overlapping memberships, thought to be a strength.

- The Union APR has been led by Resolution 50 of the UN General Assembly Political Declaration on TB, 2018 .
“Commit to establishing and promoting regional efforts and collaboration to set ambitious targets, generate resources, and use existing regional intergovernmental institutions to review progress, share lessons and strengthen collective capacity to end tuberculosis”
- The APSR has had a closer involvement with FIRS with its focus on respiratory NCDs.
- WHO has provided the overarching regional policy and oversight for TB and NCDs.

This has led to the first joint activity, a workshop at the 2022 Seoul APSR Conference. The ‘Big 5 Workshop’ is our starting point and has its focus on TB, COPD, Asthma, Infections and Cancer. The focus on Primary Care level is important in the “Big 5” Workshop, hoping to gain direction for our broader objectives. Presentations from individual or organisational members were sought, using this to achieve the prime aim which is to bring together leaders to a meeting to test how this collaboration and at coal face implementation of knowledge would best be developed. We hope to build and package from this meeting a plan involving our members of all ages and for them to lead in areas of their influence in the application of the knowledge that we share at these meeting.

Workshop Program at a glance

Time	Agenda
9:00 AM	Welcome message APSR introduction to the workshop Introduction & Description of the work and priorities:
9:15 AM	Best practice model Session 1: Others
9:45 AM	Best practice model session 2: Asthma
10:15 AM	Break
10:45 AM	Best practice model session 3: Others- Cross Cutting issues
11:15 AM	Best practice model session 4: COPD & Lung Cancer
11:45 AM	Lunch 12:15- POSTER viewing
12:45 PM	Best practice model session 5: Tuberculosis
1:15 PM	Room Arrangement for breakout sessions
1:25 PM	Breakout session for 5 groups to discuss Models of Care
2:00 PM	Break
2:10 PM	Breakout session for 5 groups to discuss Models of Care
2:45 PM	Report back session
3:50 PM	Closing remarks

Representatives of the Organisations

Governance Group



Dr Ral Antic

Immediate Past President, UNION APR



Dr Kwun Fong

Past President, APSR



Dr Kalpeshsinh Rahevar

Team lead, WHO WPRO
TB and Leprosy Elimination, TB and
Leprosy programs in 37 countries/areas
of the region



Dr Rohit Sarin

National Institute of TB and Respiratory
Diseases (NITRD), New Delhi, India

Steering Group



Dr Elizabeth Cadena
President, Union APR



Dr Camilo Roa
Council Advisor, UNION APR



Dr Lenora Cañizares-Fernandez
Past President, Philippine College
of Chest Physicians,
UNION APR



Dr Jann-Yuan Wang
Scientific Committee, UNION APR



Dr David CL Lam
President, APSR



Dr Manami Yanagawa
Technical Officer, WHO WPRO
End TB and Leprosy Unit, Division
of Disease Control Programme



Dr Asif Mujtaba Mahmud
Secretary General, Bangladesh
Lung Foundation



Dr Maria Victoria Restituta Diezmo-
Marbibi
Chairman, Department of Family
Medicine of San Juan De Dios
Hospital
Head, Primary Care and Vaccination
Center of Asian Hospital



Dr Akihiro Ohkado
Chair, Scientific Committee, UNION
APR

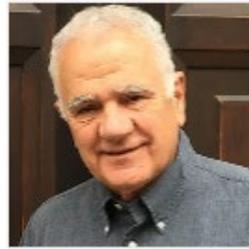
Chairs and Facilitators & Report Writers



Chair

Dr Masayuki Hanaoka

Chairperson, APSR Central
Congress Committee



Chair / Facilitator

Dr Ral Antic

Immediate Past President, UNION
APR



Chair

Dr Yoichi Nakanishi

Immediate Past President, APSR



Chair / Facilitator

Dr Lenora Cañizares-Fernandez

Past President, Philippine College
of Chest Physicians,
UNION APR



Chair

Dr Chul-Gyu Yoo

Secretary General, APSR



Chair / Facilitator

Dr Maria Victoria Restituta Diezmo-
Marbibi

Chairman, Department of Family
Medicine of San Juan De Dios
Hospital
Head, Primary Care and Vaccination
Center of Asian Hospital



Chair

Dr Heather Zar

President, FIRS



Chair / Facilitator

Dr Asif Mujtaba Mahmud

Secretary General, Bangladesh
Lung Foundation



Chair / Facilitator

Dr Kyung Hyun Oh

Technical Officer, End TB and
Leprosy Unit, Division of
Programme for Disease Control,
WHO WPRO



Chair / Facilitator
 Dr Chin Kook Rhee
 Head, APSR COPD Assembly



Facilitator
 Dr Mohammad Abdus Shakur Khan
 Treasurer, Bangladesh Lung Foundation



Facilitator
 Dr Erlina Burhan
 Immediate Past Head, APSR Tuberculosis Assembly



Facilitator
 Dr Guy Marks
 President, UNION Global



Facilitator
 Dr Elizabeth Cadena
 President, Union APR



Facilitator
 Dr Henry Marshall
 Education Committee, APSR



Facilitator
 Ms Karen Collishaw
 Chief Executive Officer, American Thoracic Society



Facilitator
 Dr Akihiro Ohkado
 Chair, Scientific Committee, UNION APR



Facilitator
 Dr Carlos Robalo Cordeiro
 President, European Respiratory Society



Facilitator
 Dr Patricia Rivera
 President Elect, American Thoracic Society



Facilitator
 Dr Gregory P. Downey
 President, American Thoracic Society



Facilitator
 Dr Camilo Roa
 Council Advisor, UNION APR



Facilitator

Dr Yoko Shibata

Deputy Head, APSR COPD
Assembly



Welcome Speech

Dr Ki-Suck Jung

President, APSR 2022 Seoul



Facilitator

Dr Jann-Yuan Wang

Scientific Committee, UNION APR



Closing Comment

Dr Yoshinosuke Fukuchi

Past President, APSR



Facilitator

Dr Peter A.B. Wark

Conjoint Professor, College of
Health Medicine and Wellbeing
and University of Newcastle

Report Writers



Dr Anne Chang

Head of Child Health Division at Darwin's Menzies School of Health Research



Dr Paul Reynolds

Co-Editor in Chief, Respiriology, APSR

Volunteer Report Writers



Dr Yunjoo Im

Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center



Dr Yeon Wook Kim

Division of Pulmonary and Critical Care Medicine, Department of Internal Medicine, Seoul National University Bundang Hospital



Dr Angelica Pearl C. Reyes

Center for Respiratory Medicine, University of Santo Tomas Hospital

Presenters



Dr Sameera Ansari
Presenter



Dr Landy Lan
Presenter



Dr Watchara Boonsawat
Presenter



Dr Tuyet Lan Le Thi
Presenter



Dr Shih Yu Chen
Presenter



Dr Lisa Pagano
Poster Presenter



Dr Paul Dawkins
Poster Presenter



Dr Rosalyn Sebastian
Presenter



Dr Maria Lowella De Leon
Presenter



Dr Yuanlin Song
Poster Presenter



Dr GM Monsur Habib
Presenter

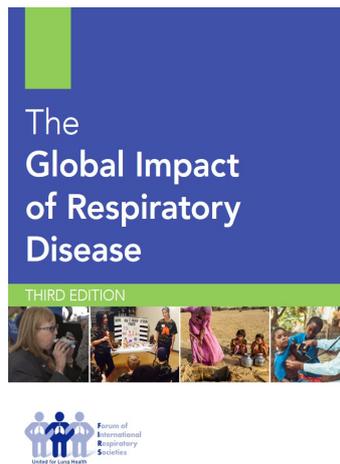


Dr Jennifer Ann Wi
Presenter



Dr Yuki Yoshimatsu
Poster Presenter

Pre-Workshop Reading



WHO links

- [New report shows progress and missed opportunities in the control of NCDs at the national level](#)
- [Primary health care: health systems, communities and the planet](#)
- [Empowering heroes: WHO works to support and strengthen the world's health workforce](#)
- [WHO reveals leading causes of death and disability worldwide: 2000-2019](#)
- [WHO strategy for prevention and control of chronic respiratory diseases](#)
- [Global Action Plan for the Prevention and Control of NCDs 2013-2020](#)
- [SDG Target 3.4 Reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being](#)
- [Triple Billion Dashboard](#)

Partners

- [Asian Pacific Society of Respirology](#)
- [Union Asia Pacific Region](#)
- [WHO South-East Asia - nearly two billion people in the Region, WHO is working with the 11 Member States](#)
- [WHO Western Pacific - 1.9 billion people across 37 countries](#)

References

- ✚ [Global Impact of Respiratory Disease](#) Editorial 2022
- ✚ [World Lung Day: what, why, and where to?](#)
- ✚ [Chronic respiratory diseases: a global view](#)



Delegate template for feedback for each Model

Dear Delegate

Thank you for participating in this inaugural Big 5 lung disease Workshop is a Satellite meeting at the APSR 2022 Congress in Seoul, Korea on 17 November 2022 where delegates will come together, share, and discuss submitted models of care to develop a Report and Toolkit for dissemination and implementation beyond the Workshop.

Due the large volume of submissions and the time constraints, it is recognised that the Models can only be discussed in a relatively brief way, and that further consideration and work will take place after the introduction of the Model at this workshop.

Models of care submissions were submitted by stakeholders as examples of “Best Practice” primary care models for preventing, diagnosing, and treating the Big 5 lung diseases that have been locally tested or implemented that may be usefully taken up by other LMIC health care providers in the WHO WPRO and SEARO regions.

The perspective was from primary care and initiatives were expected to be effective, affordable, practical, and able to be described in a Workshop Toolkit that could be broadly disseminated and shared. Effective cross-cutting interventions, e.g., vaccination and tobacco control within the Big 5 were also invited.

- Submitted models of care were reviewed by the [Steering Committee](#) and selected on the aforementioned basis.
- Selected models of care will be presented and shared with Workshop [Delegates](#), who will work in rapid-fire breakout groups to provide feedback.
- Other submitted models of care will be presented as Posters.
- A consensus Workshop Report will be developed led by the [Writing Team](#) and Toolkit will be developed.

Delegate Tasks

- Pre-reading supplied Workshop materials
- At the Workshop, please help us keep to time, so we ensure we hear from everyone.
- During presentations, please only ask questions to clarify the operation of the Model only
 - Make your notes in the template supplied for each Model

- Then discuss the models during the Breakout sessions, and please contribute your ideas and advice to the Facilitators
- Post-Workshop; please email APSR with any additional ideas, feedback and submit your interest for the next workshop at APSR 2024.

Delegate notes template; **instructions**

Model Name: _____



Enter brief observations that you learnt from the Presentation of the Model of Care for improving the condition of interest from the primary care perspective:-

Model Strengths

Model Limitations

Any uncertainty on how the Model works

Strengths	
Limitations	
Uncertainties	

Please circle a single number

Acceptability in other settings; community perspective
1 2 3 4 5 6 7 8 9 10

Feasibility in other settings; health care provider perspective
1 2 3 4 5 6 7 8 9 10

Scalability; health system perspective
1 2 3 4 5 6 7 8 9 10

Budget impact; payer perspective
1 2 3 4 5 6 7 8 9 10

Please suggest by circling a rank (1 lowest and 10 highest) for how the Model may work in a different setting from that presented in terms of:-

- **Applicability**
How well do you think this might work in a different LMIC community?
- **Feasibility**
How well do you think this Model could be implemented in a different LMIC setting?
- **Scalability**
How well do you think this initiative could be expanded to a larger population?
- **Budget impact**
How costly do you think this Model of Care would cost the payer's budget? (10 = most costly)

Program

9:00-9:15 Welcome and Introduction

Welcome to Seoul

Dr Ki-Suck Jung, the APSR 2022 Congress President

Welcome and APSR introduction to the workshop

Dr David Lam, President of the APSR

Instruction & Description of their work and priorities

Dr Elizabeth Cadena, President of the UNION APR

Dr Guy Marks, President of the UNION

Dr Kalpeshsinh Rahevar, WHO WPRO

9:15-9:45 Best practice model Session 1: Others

Chairs	Dr Chul-Gyu Yoo	Dr Maria Diezmo-Marbibi
Presenter	Dr GM Monsur Habib	
	"Community Respiratory Centre"	
Presenter	Dr Rosalyn Sebastian	
	"All-hands on Deck Approach to Covid-19 Vaccination - Oriental Mindoro"	

9:45-10:15 Best practice model session 2: Asthma

Chairs	Dr Masayuki Hanaoka	Dr Heather Zar
Presenter	Dr Watchara Boonsawat	
	"Easy Asthma Clinic network"	
Presenter	Dr Maria Lowella De Leon	
	"Maginhawang Baga Program"	

10:45-11:15 Best practice model session 3: Others- Cross Cutting issues

Chairs	Dr Yoichi Nakanishi	Dr Ral Antic
Presenter	Dr Tuyet Lan Le Thi	
	"The Big 5 Lung diseases in HoChiMinh city"	
Presenter	Dr Shih Yu Chen	
	"Peak inspiratory flow rate guided inhalation therapy"	

11:15-11:45 Best practice model session 4: COPD and Lung Cancer

Chairs	Dr Chin Kook Rhee	Dr Lenora Cafizares-Fernandez
Presenter	Dr Sameera Ansari	

“Activating Primary Care COPD Patients with Multimorbidity (APCOM) Program”

Presenter

Dr Landy Lan

“Improved Safety of Patients with Indeterminant Pulmonary Nodules Through LCBP Risk

Model and Optimized Diagnostics Pathway for Lung Cancer”

11:45-12:15 Lunch

12:15-12:45 Poster Session

Moderators

Dr Ral Antic

Dr Elizabeth Cadena

Presenters

Dr Paul Dawkins

“National Early Detection of Lung cancer: guidance and implementation in New Zealand”

Dr Lisa Pagano (printed poster only)

“INNOVATIVE GP-PHYSIOTHERAPIST PARTNERSHIPS FOR COPD (INTEGRATED STUDY)”

Dr Yuanlin Song (printed poster only)

“Internet of things-based home non-invasive ventilation in COPD patients with hypercapnic chronic respiratory failure”

Dr Yuki Yoshimatsu (printed poster only)

“The Aspiration pneumonia evaluation algorithm”

12:45-13:15 Best practice model session 5: Tuberculosis

Chairs

Dr Kyung Hyun Oh

Dr Asif Mujtaba Mahmud

Presenter

Dr Shih Yu Chen

“Co-Care for DM-Latent Infection of TB (CO4DLIT)”

Presenter

Dr Jennifer Ann Wi

“UBO PATROL”

13:15 Room Arrangement for the Breakout Sessions

13:25-14:00 Breakout session for 5 groups to discuss Models of Care

Group 1 Co-facilitators

Dr Chin Kook Rhee

Dr Gregory P. Downey

Group 2 Co-facilitators

Dr Mohammad Abdus Shakur Khan

Dr Carlos Robalo Cordeiro

Group 3 Co-facilitators

Dr Asif Mujtaba Mahmud

Ms Karen Collishaw

Group 4 Co-facilitators

Dr Camilo Roa

Dr Henry Marshall

Group 5 Co-facilitators

Dr Peter A.B. Wark

Dr Kyung Hyun Oh

14:00-14:10 Break

14:10-14:45 Breakout session for 5 groups to discuss Models of Care

Group 1 Co-facilitators	Dr Jann-Yuan Wang	Dr Maria Diezmo-Marbibi
Group 2 Co-facilitators	Dr Lenora Cañizares-Fernandez	Dr Ral Antic
Group 3 Co-facilitators	Dr Akihiro Ohkado	Dr Patricia Rivera
Group 4 Co-facilitators	Dr Elizabeth Cadena	Dr Yoko Shibata
Group 5 Co-facilitators	Dr Guy Marks	Dr Erlina Burhan

14:45-15:35 Report Back Session

Chairs	Dr Paul Reynolds	Dr Maria Diezmo-Marbibi	
Volunteers	Dr Angelica Pearl Reyes	Dr Yeon Wook Kim	Dr Yunjoo Im

< 3 min-report & 2 min-discussion by group >

14:45	Breakout session 1- group 1	Dr Chin Kook Rhee
14:50	Breakout session 1- group 2	Dr Mohammad Abdus Shakur Khan
14:55	Breakout session 1- group 3	Dr Asif Mujtaba Mahmud
15:00	Breakout session 1- group 4	Dr Camilo Roa
15:05	Breakout session 1- group 5	Dr Peter A.B. Wark
15:10	Breakout session 2- group 1	Dr Jann-Yuan Wang
15:15	Breakout session 2- group 2	Dr Lenora Cañizares-Fernandez
15:20	Breakout session 2- group 3	Dr Akihiro Ohkado
15:25	Breakout session 2- group 4	Dr Elizabeth Cadena
15:30	Breakout session 2- group 5	Dr Guy Marks

15:50-16:00 Closing remarks and thanks

Dr Yoshinosuke Fukuchi

Dr Kwun Fong

Best practice models: Oral presentations

Scan the QR code or click on the tile to read the model.

BEST PRACTICE MODEL SESSION 1 OTHERS



Community Respiratory Centre

Dr GM Monsur Habib



All-hands on Deck Approach to Covid-19 Vaccination - Oriental Mindoro

Dr Rosalyn Sebastian

BEST PRACTICE MODEL SESSION 2 ASTHMA



Easy Asthma Clinic network

Dr Watchara Boonsawat



Maginhawang Baga Program

Dr Maria Lowella De Leon

BEST PRACTICE MODEL SESSION 3 OTHERS- CROSS CUTTING ISSUES



Best Practice Model of Primary Care for the Big 5 lung diseases in HoChiMinh city, Vietnam

Dr Tuyet Lan Le Thi



Peak inspiratory flow rate guided inhalation therapy

Dr Shih Yu Chen

BEST PRACTICE MODEL SESSION 4 COPD & LUNG CANCER



Activating Primary Care COPD Patients with Multimorbidity (APCOM) Program

Dr Sameera Ansari



Improved Safety of Patients with Indeterminant Pulmonary Nodules Through LCBP Risk Model and Optimized Diagnostics Pathway for Lung Cancer

Dr Landy Lan

BEST PRACTICE MODEL SESSION 5 TUBERCULOSIS



Co-Care for DM-Latent Infection of TB (CO4DLIT)

Dr Shih Yu Chen



UBO PATROL

Dr Jennifer Ann Wi

Best practice models: Poster presentations

Scan the QR code or click on the tile to read the model.



National Early Detection of Lung cancer: guidance and implementation in New Zealand

Dr Paul Dawkins



Innovative GP-Physiotherapist Partnerships for COPD (Integrated study)

Dr Lisa Pagano



Internet of things-based home non-invasive ventilation in COPD patients with hypercapnic chronic respiratory failure

Dr Yuanlin Song



The Aspiration pneumonia evaluation algorithm

Dr Yuki Yoshimatsu