

Organised by



National Centre for
Infectious Diseases

NCID MONTHLY RESEARCH MEETING:

*BRINGING PEOPLE TOGETHER,
BRIDGING SCIENCE AND MEDICINE*

17 Sep 2021 | Friday | 11.00 am – 12.00 pm

About the Meeting

Our research meetings are held every 3rd Friday of the month, with the aim to:

- 1) Inspire research ideas and participation
- 2) Provide guidance on research studies
- 3) Foster research collaborations

Who should attend

All who are interested in research are welcome to attend.

To register

This will be a Zoom meeting. Please register using the link or QR code below.

<http://tiny.cc/sepresearchmeeting>

Programme

11:00 AM **“Unintended Consequences, Vaccine Optimism and Why U-turns are Ok”**
by **Dr Mark Chen I-Cheng**

Consultant,
National Public Health and Epidemiology Unit,
and Head, NCID Research Office,
Infectious Disease Research and Training Office,
National Centre for Infectious Diseases

11:30 AM **“Household Transmission of carbapenemase-producing Organisms (CPO)”**

by **Adj Asst Prof Kalisvar Marimuthu**
Senior Consultant,
National Centre for Infectious Diseases,
Tan Tock Seng Hospital,
and Yong Loo Lin School of Medicine,
National University of Singapore

5 to 10 mins Q&A will follow after each talk



***CME/CPE points will be awarded**



Unintended Consequences, Vaccine Optimism and Why U-turns are OK

by **Dr Mark Chen I-Cheng**

Consultant, National Public Health and Epidemiology Unit, and
Head, NCID Research Office, Infectious Disease Research and Training
Office, National Centre for Infectious Diseases

Unintended consequences may make interventions less effective than intended. We highlight key findings from the SOCRATEs research program that show examples of unintended consequences. We postulate how vaccine optimism may cause risk compensation, and how coupled with waning of vaccine effectiveness, may lead countries to experience the kind of post-vaccination surge in COVID-19 incidence and deaths experiences in Israel.

We also point out that the messaging strategy for the future of COVID-19 control may need to be adjusted based on the emergence of new scientific data, and current messaging about endemic COVID-19 that reference influenza may not be the most appropriate approach.

Key Learning Points

1. Unintended consequences can offset gains from public health interventions.
 2. Vaccine Optimism can likewise lead to unintended consequences.
 3. Given emerging data on declining vaccine effectiveness, we must be willing to re-adjust our messaging strategy if needed.
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Household Transmission of carbapenemase-producing Organisms (CPO)

by **Dr Kalisvar Marimuthu**

Senior Consultant, National Centre for Infectious Diseases,
Tan Tock Seng Hospital,
and Yong Loo Lin School of Medicine, National University of Singapore

The CaPES study group embarked on an NMRC funded cohort study on household transmission of CPO. A pilot study suggested a household transmission rate of around 10%. Here, we present the details of the study and challenges facing the conduct of the study in the time of COVID-19.

Key Learning Points

1. Current evidence surrounding the household transmission of CPO.
2. Details of studies for household transmission of CPO.
3. Impact of COVID on AMR research.