

Wednesday, 19. May 2021

Zoom Session
08:00 - 09:00

Zoom

Opening Ceremony

Poster
08:00 - 17:30

R5

Poster Session

To view the list of posters, visit <https://www.istm.org/files/Poster%20for%20Website.pdf>.

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Workshop
09:00 - 10:00

Zoom

WS: Getting a Head-Start on Travel-Related Neurological Syndromes

While there are many studies assessing fever and diarrheal syndromes in returned travellers, there is very little data regarding the spectrum of neurological syndromes in returned travellers, their clinical manifestations and management. Laboratory diagnosis in these infections/syndromes also continues to be challenging. This is a case based workshop which will elucidate the various clinical neurological syndromes in returned travellers, their lab diagnosis and clinical manifestations.

OBJECTIVES:

- Describe the challenges in the diagnosis of CNS infections in the returned travellers.
- Expand on novel diagnostic techniques now available for rapid diagnosis of CNS infections.
- Recognise and manage infectious and non-infectious neurological syndromes encountered in returned travellers.

Speaker: Ravi Vasanthapuram, IN

Speaker: Bjorn Blomberg, NO

Moderator: Sarah McGuinness, AU

Workshop
09:00 - 10:00

Zoom 2

WS: Separate Ways - Refugee & Migrant Medicine

Why not assess migrants' health status and provide presumptive treatment even before departure towards their new home? - Some countries actually do. But what diseases are relevant in migrants? What diseases should be screened for and how? What treatment should be provided? And is this at all ethical? This workshop will make participants address these questions in an interactive manner and develop solutions.

OBJECTIVES:

- Understand important clinical challenges seen in migrants
- Discuss pathways for an efficient work-up and explain the concept of pre- and post-departure screening of migrants
- Develop screening suggestions for migrants by region of origin and explain their choices.

Speaker: Sapha Barkati, CA

Speaker: August Stich, DE

Moderator: Nancy Piper Jenks, US

Workshop

09:00 - 10:00

R3

WS: Vaccination Pearls and Pitfalls

This workshop is suitable for both beginners and experienced travel health providers alike. The speakers will outline the principles of travel vaccination, aspects of the immune response to vaccines, and risk assessment. Vaccination scheduling and booster vaccine doses will be discussed, as well as the practical elements of vaccine storage, preparation and administration. Dealing with immediate post-vaccination adverse reactions, including anaphylaxis, will also be addressed.

Objectives:

- Summarize relevant theory on vaccination and the immune response.
- Outline the principles of vaccination scheduling with examples.
- Discuss current gaps in healthcare and digital transformation of healthcare services.
- Discuss practical and future applications for travel medicine.

Speaker: Sarah Kohl, US

Speaker: Sheila Mackell, US

Moderator: Masatoki Adachi, JP

Plenary

10:00 - 11:00

Zoom

PL: Global Health Security in an Interconnected World

Travel can be associated with introduction and dissemination of pathogens. Public health systems have been established to prevent, detect, and respond to infectious disease threats including cross-border issues. An overview of public health measures and examples of disease translocation related to population movement will be described.

Robert Steffen

SOS: Recurrent Public Health Emergencies

Objectives:

- Discuss the declaration of pandemic and Public Health Emergency of International Concern (PHEIC) and impact on crossing borders
- Describe recent PHEIC examples (Ebola, Zika, etc.)
- Describe recent pandemic examples (Covid19, 2009 H1N1)

Marty Cetron

Populations on the Move: Infectious Disease Concerns

Objectives

- Discuss population movement and translocation of infectious diseases
- Discuss some examples (mass gatherings, migration-related, travelers)
- Describe concerns related to Covid19

Speaker: Robert Steffen, CH

Speaker: Marty Cetron, US

Moderator: Peter Leggat, AU

SOS: Recurrent Public Health Emergencies

10:00 - 10:25

Populations on the Move: Infectious Disease Concerns

10:25 - 10:50

Break

11:00 - 11:45

R6

Session Break / Expo Hall

Symposium

11:45 - 13:00

Zoom

SY: Mind the Gap: Applying New Diagnostic Tools for Old Travel-Related Infections

Despite the rapid growth of new diagnostic technologies which are used in research and for clinical needs, there are still unaccepted gaps in diagnosis of common and important diseases seen in travelers. These infectious diseases, either viral, bacterial or parasitic, have been known for decades and still suffer from gaps in diagnosis. Serology, which is still a key element in diagnosis for either viral, bacterial or parasitic infections, has a minimal sensitivity during the acute phase of the diseases, and lack of specificity with high rate of cross-reactivity with other pathogens. The gold standard of malaria diagnosis remains the blood-smear, a reasonable method, but one which is 120 years old. Thus the key challenge is the need to accelerate the development and deployment of new technologies into the field of travel medicine. This, in turn, will help many host countries to improve their diagnostic capacity and better public health information.

Christina Deschermeier*Novel Tools in the Diagnosis of Flavivirus Infections*

Objectives:

- Discuss PCR diagnosis in different body-fluids
- Discuss other antigen detection tests
- Avoiding cross-reaction of serology tests in flaviviruses infection

Kevin Kain*What's New in Malaria Diagnosis?*

Objectives:

- Evaluate gold standard approaches to malaria diagnosis
- Anticipate limitations of rapid diagnostic testing
- Reconsider the definition of severe malaria

Jacob Moran-Gilad*Advances in the Diagnosis of Bacterial Infections in Travellers*

Objectives:

- Review the current methods of diagnosis of systemic bacterial infections (Lepto, typhoid)
- Understand the limitations of current diagnostic methods
- Discuss new diagnostic approaches on the horizon

Speaker: Christina Deschermeier, DE*Speaker:* Kevin Kain, CA*Speaker:* Jacob Moran-Gilad, IL*Moderator:* Eskild Petersen, DK

Novel Tools in the Diagnosis of Flavivirus Infections	11:45 - 12:05
What's New in Malaria Diagnosis?	12:05 - 12:25
Advances in the Diagnosis of Bacterial Infections in Travellers	12:25 - 12:45

Symposium

11:45 - 13:00

R1

SY: Never Too Old: The Boundless Limits of Age and Travel

The older person faces a range of health issues, including medical comorbidities, increased risk of falls, cognitive and sensory impairment, which can have adverse consequences for international travel, ranging from disruption of travel itineraries to serious illness and hospitalisation. This symposium will provide participants with a comprehensive knowledge base to enable them to perform a risk assessment on older travellers in clinical practice and to provide well-informed pre-travel health advice.

Charlie Ericsson*Health Priorities for Aging and the Older Traveller*

Objectives:

- Describe demographic trends in older person travel.
- Identify key travel health risks and protective factors in older travellers.
- Provide pre-travel health advice suitable for older travellers.

Jeff Goad*Complexity of Drug-Drug Interactions in the Older Traveller*

Objectives:

- Address polypharmacy in older adults.
- Consider how prescription drugs may interact with malaria chemoprophylaxis.
- Give advice to older travellers about potential for counterfeit drugs in some destinations.

Federico Gobbi*Immunity, Infection and Vaccination in the Older Traveller*

Objectives:

- Outline physiology of immunosenescence in older individuals.
- Discuss vaccination schedules for older travelers.
- Focus specifically on risk-benefit of yellow fever vaccination in the older traveller.

Speaker: Charlie Ericsson, US*Speaker:* Jeff Goad, US*Speaker:* Federico Gobbi, IT*Moderator:* Sandra Grieve, GB

Health Priorities for Aging and the Older Traveller	11:45 - 12:05
Complexity of Drug-Drug Interactions in the Older Traveller	12:05 - 12:25
Immunity, Infection and Vaccination in the Older Traveller	12:25 - 12:45

Workshop

11:45 - 13:00

R3

WS: The Great Pretender: Other Clinical Faces of COVID-19

A variety of clinical manifestations of COVID-19 have been noted in this pandemic, including emerging information regarding the neurological and thrombotic manifestations and the overlap between the two. This case-based workshop will address both of these issues.

Objectives:

- Review neurologic sequelae of COVID-19.
- Discuss thrombotic complications of COVID-19.
- Discuss management of the thrombotic complications.

Speaker: Tom Solomon, GB*Speaker:* Susan Kahn, CA*Moderator:* Dan Bourque, US

Symposium: Medical Education Grants

13:00 - 14:15

Zoom

Symposium: Medical Education Grants: Dengue and COVID-19

The co-circulation of dengue and COVID-19 is a challenge in dengue-endemic countries and it is also relevant for travellers. The clinical symptoms may be difficult to distinguish and cross-reactivity may occur in diagnostics. Co-infections can result in poorer outcomes. It is important to understand the co-circulation, co-infection, and prevention in order to reduce disease risk and consider management.

Annelies Wilder-Smith

Global dengue epidemiology:

Objectives:

- Provide overview of recent dengue epidemiology.
- Discuss the impact of lockdowns on dengue transmission.
- Summarize current data based on country reports.

Eli Schwartz

Dengue - COVID-19 interaction

Objectives:

- Discuss co-circulation of dengue and COVID-19.
- Discuss diagnostics challenges with co-circulation.
- Describe clinical aspects of co-infection of dengue and COVID-19.

Steven Schofield

COVID-19 has not changed dengue prevention for travellers – it's still largely about avoiding bites

Objectives:

- Describe Aedes vectors.
- Discuss bite protection modalities and some secondary benefits.
- Discuss new prevention strategies and technologies.

Speaker: Annelies Wilder-Smith, CH*Speaker:* Eli Schwartz, IL*Speaker:* Steven Schofield, CA*Moderator:* Mary Wilson, US

Global Dengue Epidemiology	13:00 - 13:20
Dengue-COVID-19 Interaction	13:20 - 13:40
COVID-19 Has Not Changed Dengue Prevention - It's Still About Bites	13:40 - 14:00

Break

13:00 - 14:15

R6

Meal Break*Zoom Session*

14:15 - 15:15

Zoom

Case of the Day

Workshop

14:15 - 15:15

R1

WS: Developing a Valid and Feasible Research Question in Travel Medicine

A good research question is essential to guide your research paper, project, or thesis. It gives greater clarity to your research and guides the whole process. It pinpoints exactly what you want to find out and gives your work a clear focus and purpose.

Objectives:

- Highlight principles of writing a clear and focused research travel medicine question.
- Write a travel medicine research question that is not too difficult to answer and researchable.
- Write a travel medicine research question that is analytical, rather than descriptive.

Speaker: Martin Grobusch, NL*Speaker:* Ed Ryan, US*Moderator:* Kristina Angelo, US*Fundamentals*

14:15 - 15:15

R2

Fundamentals: Chronic Illnesses

Travellers with chronic medical illnesses are at risk for decompensation of their underlying condition in response to hypoxia during air travel, heat- or cold-induced injury, psychological distress, and drug-drug interactions. This pre-recorded session will use diabetes and inflammatory bowel disease as examples. The speakers will focus on how to tailor the pre-travel consultation to the needs of these travellers and how to provide targeted pre-travel health advice to them.

Objectives:

- Describe the major health risks for travellers with diabetes or inflammatory bowel disease (IBD).
- Communicate pre-travel health advice to travellers with diabetes during travel.
- Consider special precautions for IBD travellers taking immunosuppressant medications.
- Demonstrate how the 'IBD Passport' may be used in clinical practice.

Speaker: Andrea Rossanese, IT*Speaker:* Shomron Ben-Horin, IL**Have Diabetes, Will Travel**

14:15 - 14:40

Inflammatory Bowel Disease: Precautions and Passports

14:40 - 15:05

Break

15:15 - 15:45

R6

Break / Expo Hall*Zoom Session*

15:45 - 17:00

Zoom

GeoSentinel Update and Networking Session

This session will provide participants with an update on GeoSentinel activities in the first 35 minutes (also accessible all day in the On-Demand Track) and the opportunity to meet with the leaders of GeoSentinel, Michael Libman and David Hamer from 16:20-16:40.

Objectives:

- Describe recent GeoSentinel updates and activities.
- Overview of the GeoSentinel network, recent and ongoing projects, and proposals for new projects.
- 'Meet & Greet' with the leadership of GeoSentinel.

Symposium

15:45 - 17:00

R1

SY: Yellow Fever

Recently, the world has been reminded of the serious threat posed by yellow fever (YF). During this session, the speakers will address recent YF outbreaks, the challenges in YF vaccine supply, and the rationale behind the use of fractional dose and intradermal YF vaccination and clinical conundrums encountered in travel medicine practices.

Duane Gubler*Here We Go Again: Update on YF Epidemiology*

Objectives:

- Discuss the epidemiology of yellow fever
- Discuss re-emergence of yellow fever

Ana Roukens*Making a Little go a Long Way: Alternative YF dosing Strategies*

Objectives:

- Discuss why fractional dose and intradermal yellow fever vaccination works.
- Discuss the role of neutralizing antibodies and the need for re-vaccination.

Jenny Visser*YF Vaccine Conundrums: Case-Based Session*

Objectives:

- Discuss commonly encountered clinical conundrums re: Yellow Fever vaccine in travel medicine practices.

Speaker: Duane Gubler, SG*Speaker:* Anna Roukens, NL*Speaker:* Jenny Visser, NZ

Here we go Again: Update on YF Epidemiology	15:45 - 16:05
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Making a Little go a Long Way: Alternative YF dosing Strategies	16:05 - 16:25
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YF Vaccine Conundrums: Case-Based Session	16:25 - 16:45
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Free Communications

15:45 - 17:00

R3

Free Communications - Tropical & Travel Medicine and Migrant Health

Free Communications sessions are a collection of oral presentations based on abstracts submitted to and accepted by the CISTM17 SPC. Once all authors have confirmed, a list of talks and their presenters will be included here.

D. Bourque

Treatment Strategies for Nitroimidazole-refractory Giardiasis: A Systematic Review

K.A. Reifler

Treatment of Chagas Disease at an Urban Academic Medical Center in Boston

U. Manor

Plasmodium Ovale in Israeli Travelers, 2008-2020

S. Fernandes

The Importance of Strongyloides stercoralis Screening in Non-endemic Areas. Experience from a Portuguese Hospital

Moderator: Miguel Cabada, US

Symposium: Industry-Sponsored
17:00 - 18:00

R1

SPONSORED SYMPOSIUM - The Behavioral Science in Travel Medicine

Thursday, 20. May 2021

Symposium: Medical Education Grants
06:45 - 08:00

Zoom

Symposium: Medical Education Grants: Hepatitis A

Travel medicine providers need to be updated on the current global epidemiology of hepatitis A with special attention as a health risk to travelers. They need to understand the impact of universal vaccination strategy against hepatitis A in select countries. Healthcare providers (HCP), and particularly those active in travel clinics, need an update on recent lessons learnt relating to characteristics and properties of hepatitis A vaccines to reply to tricky questions on this subject.

Rakesh Aggarwal

The changing epidemiology of hepatitis A

Objectives:

- Describe global trends of hepatitis A epidemiology.
- Discuss some factors influencing the changes in hepatitis A epidemiology.

Bradley A. Connor

Impact of routine hepatitis A vaccination on epidemiology

Objectives:

- Describe the influence of hepatitis A vaccination on disease epidemiology.
- Highlight some national routine hepatitis A vaccination programs.
- Discuss travel-related hepatitis A risk and prevention.

Pierre van Damme

Recent evidence on hepatitis A vaccination

Objectives:

- Discuss recent data on hepatitis A vaccination.
- Focus on knowledge gaps such as vaccine response in special populations and single-dose duration of protection.

Speaker: Rakesh Aggarwal, IN

Speaker: Bradley A. Connor, US

Speaker: Pierre Van Damme, BE

Moderator: Robert Steffen, CH

The Changing Epidemiology of Hepatitis A 06:45 - 07:05

Impact of Routine Hepatitis A Vaccination on Epidemiology 07:05 - 07:25

Recent Evidence on Hepatitis A Vaccination 07:25 - 07:45

Symposium

08:00 - 09:15

Zoom

SY: Not Only Skin-Deep: Skin Manifestations of Travel-Related Diseases

Skin changes are one of the leading clinical problems of returning travellers. This clinical symposium will address three common clinical scenarios – rashes, creeping eruptions, and the traveller with cutaneous leishmaniasis. Etiologies, differential diagnoses, diagnostic workup, and management will be discussed.

Rie Yotsu

RASH Judgement

Objectives:

- Provide an overview of common diseases seen in travellers that present with a rash.
- Explain what clinical features may help the clinician tell different etiologies apart.

Pedro Legua*I Got You Under My Skin...*

Objectives:

- Present important etiologies of creeping eruptions and migrating nodules in returning travellers.
- Highlight important clinical aspects and exposures which may help the clinician tell different etiologies apart.

Andrea Boggild

Objectives:

- Provide an overview of the clinical spectrum of cutaneous leishmaniasis.
- Highlight important (novel) aspects of diagnosis and species-specific therapy.

Speaker: Rie Yotsu, JP*Speaker:* Pedro Legua, PE*Speaker:* Andrea Boggild, CA*Moderator:* Camilla Rothe, DE**RASH Judgement**

08:00 - 08:20

I Got You Under My Skin...

08:20 - 08:40

Leishmaniasis - a Sore Topic

08:40 - 09:00

Symposium

08:00 - 09:15

R1

SY: The Challenging Immunocompromised Traveller

The development of immune modulators and biologic agents have benefitted many patients, allowing more patients with chronic diseases to travel abroad. Patients with immunocompromising conditions or taking such medications are subject to additional risks and health concerns. This symposium provides an overview of relevant conditions, drugs, and their impact on the immune system and immune response. It will review trends in travel by immunocompromised and immune modulated patients, describe infectious disease risks in this population, and discuss best practices in preparing this special group of vulnerable travellers.

Leo G. Visser*Immune Modulation and Travel*

Objectives:

- Describe the pharmacology of immune modulators in current use.
- Review recent data on the use of immune modulators in international travellers.
- Describe the effects of immune modulators on the immune response of travellers to vaccines.

Joe Torresi*Infectious Disease Risks in Immunocompromised Travellers*

Objectives

- Describe vaccine-preventable infectious disease susceptibility in immunocompromised travellers.
- Discuss travel-related respiratory infections in the immunocompromised population.
- Discuss travel-related gastrointestinal infections in immunocompromised travellers.

Camille Kotton*Best Practices in Preparing Immunocompromised Travellers*

Objectives:

- Summarize pre-travel advice appropriate for immunocompromised travellers.
- Provide an update on the safe use of the yellow fever vaccine in immunocompromised travellers.
- Develop a systematic approach to post-travel assessment of the ill returned immunocompromised traveller.

Speaker: Leo G. Visser, NL*Speaker:* Joe Torresi, AU*Speaker:* Camille Kotton, US*Moderator:* Natasha Hochberg, US

Immune Modulation and Travel	08:00 - 08:10
Infectious Disease Risks in Immunocompromised Travellers	08:10 - 08:20
Best Practices in Preparing Immunocompromised Travellers	08:20 - 08:30

Symposium

08:00 - 09:15

Zoom3

SY: Hot Topics in Tropical Diseases in SE Asia

Travellers are known to present with post travel acute and sub-acute febrile and diarrheal episodes. Changing epidemiology of typhoid with emergence in the African continent and new pockets of XDR typhoid in Pakistan is a challenge for the Travel Medicine practitioner and travellers with regard to short duration febrile illnesses. Among travelers with sub-acute or chronic febrile illnesses etiologies endemic to area visited must be also be considered. Melioidosis occurs in South East Asia and parts of the Indian subcontinent with 2 separate clinical presentations with the septicemic variety resembling bacteremia and the chronic granulomatous variety mimicking tuberculosis. While bacterial and viral diarrhoeal infections may occur during travel in South Asia, what often proves problematic to a returned traveler is refractory giardiasis. This session sheds light on 3 vexing problems often faced by a travel medicine practitioner dealing with returned travelers from South Asia.

Farah Qamar*Typhoid in the 21st Century*

Objectives:

- Review the changing epidemiology and emerging drug resistance patterns in South Asia
- Discuss the implications of drug resistance on treatment
- Understand the rollout of typhoid conjugate vaccine – a success story?

Bart Currie*Dangers Under Foot -Melioidosis in Travellers*

Objectives:

- Discuss clinical and diagnostic conundrums in melioidosis.
- Discuss novel treatment regimens contributing to improved survival.
- Review possible preventative strategies.

Laura Nabarro*Refractory Giardia in Travellers - I Want to Break Free!*

Objectives:

- Discuss varying acute and chronic clinical manifestations of Giardia.
- Review newer diagnostic techniques and treatment strategies.
- Discuss possible drug resistance and post-infectious irritable bowel syndrome (IBS).

Speaker: Farah Qamar, PK*Speaker:* Bart Currie, AU*Speaker:* Laura Nabarro, GB*Moderator:* Priscilla Rupali, IN

Typhoid in the 21st Century	08:00 - 08:20
Dangers Under Foot -Melioidosis in Travellers	08:20 - 08:40
Refractory Giardia in Travellers - I Want to Break Free...	08:40 - 09:00

On-Demand

08:00 - 18:00

R4

ON-DEMAND What's in the Papers? Two Years in Travel Medicine Literature

Dr. David O. Freedman and Dr. Karin Leder review the hottest papers in Travel and Tropical Medicine.

Speaker: Karin Leder, AU*Speaker:* David Freedman, US*Chair:* Eli Schwartz, IL

Poster

08:00 - 17:30

R5

Poster Session

To view the list of posters, visit <https://www.istm.org/files/Poster%20for%20Website.pdf>.

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Plenary

09:15 - 10:15

Zoom

PL: The Scourge of COVID-19 on Travel Medicine

The ongoing pandemic has led to the postponement or cancellation to events worldwide and the abrupt cancellation of global travel. The impact on travel medicine is unprecedented. This plenary will address these issues and discuss the scientific basis that can inform the re-opening of travel.

Paul Sax

Re-Opening Travel: Let Science Be Our Guide

Objectives:

- Describe the status of SARS-CoV-2 circulation and key understanding about its transmission.
- Discuss diagnosis and treatment of COVID-19.
- Discuss prevention including vaccines and the role of variants.

Mary E. Wilson

The Devastating Impact of COVID-19 on International Travel

Objectives

- Explore the geographic origins and dissemination of COVID-19 by travellers.
- Discuss the impact of COVID-19 on travel to date.
- Discuss the science of re-opening travel.

Speaker: Paul Sax, US

Speaker: Mary Wilson, US

Moderator: Lin Chen, US

Re-Opening Travel: Let Science Be Our Guide

09:15 - 09:40

The Devastating Impact of COVID-19 on International Travel

09:40 - 10:05

Symposium

10:15 - 11:30

Zoom

SY: Crown of Thorns - COVID-19 Across International Borders

COVID-19 is the predominant travel-related infection, in which the disease has rapidly travelled around the globe, causing a disastrous pandemic. Thus, all aspects of the disease are currently relevant for practitioners seeing local population at home and those seeing travellers. In this symposium, we will focus on the natural history of the disease among different groups of people, the challenging aspects of diagnosis, and updated treatment modalities.

Kwok-Yung Yuen

Objectives:

- Discuss the natural history of the disease: the early stage of the disease.
- Discuss late complications at the 2nd stage (including cytokine release syndrome).
- Review risk factors for severe disease and Post-Acute Sequelae of Covid-19 (PASC or “Long COVID-19”).

Yaniv Lustig

Objectives:

- Become familiar with the role and importance of PCR testing.
- Discuss reliability of rapid antigen tests.
- Understand the value of serology.

Francesco Castelli

Objectives:

- Explore proven treatments for early disease and advanced disease.
- Consider therapies currently under trial.
- Discuss management of PASC (“Long COVID-19”).

Speaker: Kwok-Yung Yuen, HK*Speaker:* Yaniv Lustig, IL*Speaker:* Francesco Castelli, IT*Moderator:* Dipti Patel, GB

Pathogenesis & Clinical presentation	10:15 - 10:35
Avoiding Pitfalls in Diagnosis	10:35 - 10:55
Clinical Management of COVID-19	10:55 - 11:15

Symposium

10:15 - 11:30

R2

SY: The Madness and the Rage - Rabies in the Modern Era

Animal contact with potential rabies exposure continue to rank highly among travel-associated vaccinepreventable diseases. This session describes the current status of rabies endemicity, rabies risk and

management options in local populations, the region-specific risk of animal bites vs. rabies, as well as novel approaches to prevention.

Reeta Mani

Rabies: Perspectives from the Frontline

Objectives:

- Highlight current rabies situation in India (epidemiological trends, role of pets, availability of vaccines).
- Outline clinical spectrum of rabies; also present “unusual” manifestations and the quality of life of rabies survivors.
- Outline approaches to post-exposure care, including novel strategies (mABs).

Philippe Gautret

Another One Bites the Dust...

Objectives:

- Compare risk of animal bites and rabies risk for travellers in different parts of the world.
- Discuss availability of vaccines and immunoglobulins at different destinations.

David Shlim

Once Bitten, Twice Shy – the Underestimated Potential of Preventive Measures

Objectives:

- Discuss behavioral aspects in the prevention of rabies -- what could it look like and where is the evidence that is might work?
- Outline practical recommendations to give to travellers in pre-travel clinic regarding behavioral prevention.

Speaker: Reeta Mani, IN

Speaker: Philippe Gautret, FR

Speaker: David Shlim, US

Moderator: Santanu Chatterjee, IN

Rabies: Perspectives from the Frontline	10:15 - 10:35
Another One Bites the Dust...	10:35 - 10:55
Once Bitten, Twice Shy - the Underestimated Potential of Preventive Measures	10:55 - 11:15

Symposium

10:15 - 11:30

R3

SY: Pooped Out: Bowels on the Move

The rate of multi-drug resistant (MDR) organisms has continued to increase worldwide, presenting many challenges to clinicians. In this symposium, we review information related to the acquisition of MDR organisms among travellers and the diagnostic tools available. In addition, the session will address vaccine-preventable enteric infections.

Yasmin Malik*An Ounce of Prevention: Vaccine-Preventable Enteric Infections*

Objective:

- Describe vaccines available to prevent enteric disease.

Regina LaRocque*MDR Organisms: The Hidden Traveller*

Objectives:

- Review the data on MDR acquisition in US travellers.
- Discuss risk factors for acquisition.
- Discuss optimizing antibiotic use in travellers.

Michael Libman*Acute and Chronic Diarrhea: New Diagnostic Tools*

Objectives:

- Discuss molecular tools for chronic and acute diarrhea.
- Review diagnostic tools currently under development.

Speaker: Yasmin Malik, MY*Speaker:* Regina LaRocque, US*Speaker:* Michael Libman, CA*Moderator:* Bradley A. Connor, US

An Ounce of Prevention: Vaccine-Preventable Enteric Infections	10:15 - 10:35
MDR Organisms: The Hidden Traveller	10:35 - 10:55
Acute and Chronic Diarrhea: New Diagnostic Tools	10:55 - 11:15

Break

11:30 - 12:00

R6

Break / Expo Hall*Zoom Session*

12:00 - 13:15

Zoom

Case-of-the-Day

Fundamentals

12:00 - 13:15

R1

FND: The Big Beasts: A Systematic Approach to Prevention of Malaria and Travellers' Diarrhea

Travellers' diarrhea (TD) is the most common ailment among travellers, and malaria prophylaxis is one of the most challenging and hotly debated topics in travel medicine. Novel advances have occurred to inform the approach to both. Two expert speakers will consider the clinical implications of these developments. Dr. Mark Riddle will address prevention of travellers' diarrhea and Dr. Anne McCarthy will help you come to grips with malaria prophylaxis in your traveller.

Objectives:

- Discuss changes in the epidemiology and non-antibiotic treatment of TD.
- Discuss pros and cons of antibiotic use and their impact on antibiotic resistance.
- Discuss different malaria species risk and implications for prophylaxis.
- Discuss currently available prophylactic drugs.

Speaker: Mark Riddle, US*Speaker:* Anne McCarthy, CA*Moderator:* David Hamer, US**TD or not TD? Prevention of Travellers' Diarrhoea**

12:00 - 12:25

Getting to Grips with Malaria Prophylaxis in Travellers

12:25 - 12:50

Roundtable

12:00 - 13:15

R2

RT: Nurses Beyond 2020: the Role of Nursing in Travel Health

Travel health nursing is a highly complex specialty. One needs to have knowledge of nursing, pharmacology, epidemiology, tropical medicine, primary care, and behavioral psychology to provide evidence based

interventions. Travel health nurses care for travellers at every stage of their trip: pre-travel, in-transit, and post-travel. During this interactive session, our moderators will discuss what the role of nurses are beyond 2020 looking to the future.

Objectives:

- Discuss the role of nurses in travel health care provision internationally.
- Understand staying up-to-date and nimble as a travel health nurse.
- Address rapid changes to travel health nursing brought on by the pandemic.

Speaker: Jane Chiodini, GB*Speaker:* Heather Connor, CA*Moderator:* Lisa Lynch Jones, US

Symposium: Medical Education Grants
13:15 - 14:30

Zoom

Symposium: Medical Education Grants: COVID-19 and Diseases of Interest Including Japanese Encephalitis, Chikungunya, and Zika

This session will review travel-related disease epidemiology in the time of COVID-19 and what the future might hold for these diseases, including Japanese encephalitis, chikungunya, and Zika.

Robert Steffen

Epidemiological impact of the 2020 lockdown in countries non-endemic for tropical diseases

Objectives:

- Discuss shifts in infectious diseases notifications in some countries during 2020.
- Describe possible reasons influencing the change in trends.

Fabrice Simon (with Laura Pezzi)

Chikungunya and Zika: updates on epidemiology, clinical issues and prevention

Objectives:

- Provide updates on recent epidemiology of chikungunya and Zika viruses.
- Discuss developments in the prevention of the two Aedes-borne arboviruses.

Sarah McGuinness

Could we see a resurgence of Japanese encephalitis post COVID-19?

Objectives:

- Describe the epidemiology of Japanese encephalitis (JE) in endemic areas and in travellers.
- Discuss public health vs. individual approaches to prevention.
- Consider why COVID-19 might contribute to a resurgence in JE.

Speaker: Robert Steffen, CH

Speaker: Fabrice Simon, FR

Speaker: Sarah McGuinness, AU

Chair: Francesca Norman, ES

Epidemiological Impact of the 2020 Lockdown in Countries Non-Endemic for Tropical Diseases	13:15 - 13:35
Chikungunya and Zika: Updates on Epidemiology, Clinical Issues, and Prevention	13:35 - 13:55
Could We See a Resurgence of Japanese Encephalitis Post-COVID-19?	13:55 - 14:15

Break

13:15 - 14:30

R6

Meal Break

Deep Dive

14:30 - 15:45

Zoom

Deep Dive: Eosinophilia in the Returned Traveller and Migrants

Travel medicine providers are faced with patients with peripheral eosinophilia on their complete blood count. During this session, the approach to both parasitic and non-parasitic causes of peripheral eosinophilia will be discussed, along with the diagnostic tools to be utilized in this workshop.

Ann Settgast*A Case Based Approach to the Traveller and Migrant with Eosinophilia*

Objectives:

- Review non-parasitic causes of eosinophilia.
- Complete a workup of non-parasitic causes of eosinophilia.

Peter Chiodini*Unravelling the Mysteries of Eosinophilia: Your Diagnostic Toolkit*

Objectives:

- Understand molecular diagnostics in the workup of eosinophilia.
- Understand serologic diagnostics in the workup of eosinophilia.
- Understand direct microscopy in the workup with eosinophilia.

Amy Klion*Causes of Eosinophilia in Migrants and Travellers: Not Everything is a Parasite!*

Objectives:

- Discuss causes of non-parasitic eosinophilia in travellers and migrants.
- Discuss approaches to management of eosinophilia.

*Speaker: Anne Settgast, US**Speaker: Peter Chiodini, GB**Speaker: Amy Klion, US**Moderator: Michael Libman, CA*

A Case Based Approach to the Traveller and Migrant with Eosinophilia

14:30 - 14:50

Unravelling the Mysteries of Eosinophilia: Your Diagnostic Toolkit

14:50 - 15:10

Causes of Eosinophilia in Migrants and Travellers: Not Everything is a Parasite!

15:10 - 15:30

Symposium

14:30 - 15:45

Zoom 2

CDC Travellers' Health Update Symposium

Dr. Cindy Friedman, Chief of the CDC Travelers' Health Branch, will provide updates on travel alerts, travel guidance, and restrictions for travellers. COVID-19 risks associated with air, ship, train/bus travel will also be discussed along with any late-breaking updates.

Drs. Dipti Patel and Lucille Blumberg will provide expert commentary as panelists with an international viewpoint.

*Speaker: Cindy R. Friedman, US**Speaker: Lucille Blumberg, ZA**Speaker: Dipti Patel, GB**Moderator: Rebecca Acosta, US*

Workshop

14:30 - 15:45

R3

WS: Extreme Travel

Travel to challenging environments has become a popular recreational pursuit across age groups. Poorly prepared adventure travellers are at risk of dangerous outcomes. Travel medicine practitioners may not have personal experience of extreme travel, but may be consulted by prospective extreme travellers. This workshop will address the health risks of extreme adventure travel and provide practical advice which may be of value in the travel clinic.

Objectives:

- Provide pre-travel health advice to travellers going to “extreme” environments with consideration for pre-existing conditions.
- Provide pre-travel health advice to extreme travellers in relation to survival in both jungle and arctic environments.
- Discuss the recognition and emergency management of high-altitude illness, including controversies surrounding use of acetazolamide.

Speaker: James Moore, GB*Speaker:* Peter Hackett, US*Moderator:* Chris Van Tilburg, US*Break*

15:45 - 16:30

R6

Break / Expo Hall*Symposium*

16:30 - 17:45

R1

SY: Dengue

Dengue may be asymptomatic or present with a broad range of clinical manifestations, including a mild febrile illness to a life-threatening shock syndrome. Dengvaxia and vaccines in advanced clinical development will be discussed.

Winsley Rose*Spectrum of Dengue Infection*

Objectives:

- Discuss clinical presentation of dengue in travellers.
- Discuss clinical presentations of dengue in those that live in endemic regions.

Angela McBride*Unravelling the Pathogenesis of Dengue: Are We There Yet?*

Objective:

- Discuss pathogenesis and controversies of dengue.

Annelies Wilder-Smith*Trials and Tribulations of Dengue Vaccine Development*

Objective:

- Discuss Dengvaxia and vaccines in advanced clinical development.

Speaker: Winsley Rose, IN*Speaker:* Sophie Yacoub, VN*Speaker:* Annelies Wilder-Smith, CH*Moderator:* Karin Leder, AU**Spectrum of Dengue Infection**

16:30 - 16:50

Unravelling the Pathogenesis of Dengue: Are We There Yet?

16:50 - 17:10

Trials and Tribulations of Dengue Vaccine Development

17:10 - 17:30

Free Communications

16:30 - 17:30

R2

Free Communications - Vaccines

Free Communications sessions are a collection of oral presentations based on abstracts submitted to and accepted by the CISTM17 SPC. Once all authors have confirmed, a list of talks and their presenters will be included here.

D. Mills: Efficacy of One-dose Intramuscular Rabies Vaccine as Pre-exposure Prophylaxis in Travellers

J. McCarty: Long-term Safety and Immunogenicity of an Adjuvanted Chikungunya Virus-Like Particle (CHIKV VLP) Vaccine: Results of a Phase 2, Parallel-group, Randomized, Double-blind Trial

B. Quiambao: Immunogenicity and Safety of Abbreviated One-week Intramuscular and Intradermal Rabies Pre-exposure Prophylaxis in the Philippines

J. McCarty: Partial Doses of Live Oral Cholera Vaccine CVD 103-HgR (PXVX0200) Induce Serum Vibriocidal Antibodies (SVA) in Children

A. Amiche: Infectious Disease Transmission and Vaccination Strategies in Mass Gatherings: What Lessons Have We Learned from Meningococcal Transmission in Hajj?

Moderator: Colleen Lau, AU

Workshop

16:30 - 17:30

R3

WS: Controversies in Pediatric Medicine

Many decisions for pediatric travellers are based on personal experience because data are scarce and evidence lacking. In this workshop, controversial issues in pediatric travel medicine will be presented in the form of challenging clinical cases. Clinical approach in each case will be debated by two experienced travel medicine clinicians and the audience will be asked to present questions, experience, and insights.

OBJECTIVES:

- Describe options for prophylaxis of malaria and use of mosquito repellents
- Review management and prevention of travellers' diarrhea in the young traveller
- Use a case-based approach to resolve paediatric vaccination dilemmas

Speaker: Stefan Hagmann, US

Speaker: Mike Starr, AU

Moderator: Sue Kuhn, CA

Friday, 21. May 2021

Symposium: Industry-Sponsored
07:00 - 08:00

R1

SPONSORED SYMPOSIUM - Neglected and emerging travel medicine infections

This session will introduce attendees to a new producer of travel vaccine, Bavarian-Nordic, and will highlight two neglected travel-related infections, tick-borne encephalitis and rabies.

Objectives:

- Introduce Bavarian Nordic, a new producer of travel vaccines.
- Describe the prevention of tick-borne encephalitis, an emerging disease.
- Discuss pre-exposure prophylaxis for rabies, what status?

Zoom Session
08:00 - 09:00

Zoom

Membership Assembly (Zoom Session)

On-Demand
08:00 - 18:00

R4

ON-DEMAND Expedition & Wilderness Travel Medicine Webinar

Poster
08:00 - 17:30

R5

Poster Session

To view the list of posters, visit <https://www.istm.org/files/Poster%20for%20Website.pdf>.

To view the list of posters, visit <https://www.istm.org/files/Poster%20for%20Website.pdf>.

Plenary

09:00 - 10:00

R1

PL: One Vision: Looking Toward the Future Role of Technology in Travel Medicine

Telemedicine is the provision of healthcare services to a patient by a doctor in a remote location using the new technology. This old idea was strongly revived during the COVID-19 pandemic when remote care was the preferred method. However, the need for remote care was always an essential part of travel medicine, helping travellers during their journey. In this session the speakers will present the new technology allowing remote medical visit, including physical examination and imaging procedures while being in remote areas. In addition, mobile phones have become a novel and very powerful source of information on destinationspecific risks of infectious and non-infectious health issues. The high penetration rate of mobile phones across the globe provides an unprecedented opportunity to accurately estimate the health risks in travellers. Continued efforts are needed to establish the uses of these data and the available technologies for travel health.

Andrea Farnham*Tracking Travellers: Advances in Use of Mobile Health Technology During Travel*

Objectives:

- Describe mobile health technology and applications as a monitor of real-time health risk.
- Discuss mobile health applications as the new tool to assess the daily risk of travellers.
- Compare new data with existing knowledge and methods.

Eyal Zimlichman*Digital Transformation of Healthcare and Implications for Travel Medicine*

Objectives:

- Discuss current gaps in healthcare and digital transformation of healthcare services.
- Understand how innovative infrastructures develop, test and provide proof of concept for digital solutions.
- Discuss practical and future applications for travel medicine.

Speaker: Andrea Farnham, CH*Speaker:* Eyal Zimlichman, IL*Moderator:* Gerard Flaherty, IE**Tracking Travellers: Advances in Use of Mobile Health Technology During Travel**

09:00 - 09:25

Digital Transformation of Healthcare and Implications for Travel Medicine

09:25 - 09:50

Symposium

10:00 - 11:15

Zoom

SY: Visa-Free Passengers- Multidrug Resistant Organisms in Travellers

Antimicrobial resistance (AMR) impacts the clinical management of many infections in clinical practice and contributes to significant morbidity and mortality. Apart from the inappropriate use of drugs in humans and animals, travellers can also serve as carriers of AMR from the destination into the host country. Travellers can become colonized by multidrug resistant organisms especially when they use antibiotics in the destination countries. This symposium will review the patterns of drug resistance in Southeast Asia and how travel may contribute to spread.

Victor Lim*Overview of AMR in Southeast Asia*

Objectives:

- Describe the epidemiology of multidrug resistance in various parts of Southeast Asia.
- Review risk factors, problems in diagnosis, and challenges in clinical management.
- Discuss impact on travellers traveling to and from Southeast Asia.

Anu Kantele*Travellers' Role in Propagating AMR*

Objectives:

- Describe the initial steps of colonization in the light of findings of a real-time study abroad.
- Describe the means to prevent the colonization.
- Discuss impact of travel-acquired AMR in the destination country of travellers.

Gagandeep Kang*Tracking International Spread of AMR*

Objectives:

- Review detection tools that track the international spread of AMR.
- Discuss whether phylogenetic analysis is helpful.
- Review clinical applications of phylogenetic analysis.

Speaker: Victor Lim, MY*Speaker:* Anu Kantele, FI*Speaker:* Gagandeep Kang, IN*Moderator:* Marc Mendelson, ZA

Overview of AMR in Southeast Asia	10:00 - 10:20
Travellers' Role in Propagating AMR	10:20 - 10:40
Tracking International Spread of AMR	10:40 - 11:00

Symposium

10:00 - 11:15

Zoom 2

SY: Clinical Toxinology and Travel Medicine: a Jumanji Perspective

Recreational visits into deep jungles, undersea adventures or sampling new culinary delights while exciting often bring with it trepidation for the travel medicine practitioner. From venomous land snakes to marine animals and poisonous edible delights, managing these can often be challenging for a general practitioner. This symposium will address burden of snakebites, types of snakes, envenoming syndromes, dosage of antivenom and recent advances in the first talk. During this symposium we will also address clinical recognition and management of percutaneous envenoming by culprits from the deep. Our last speaker will address the clinical picture and management issues from deadly gastronomic delight, which, if not recognized could prove fatal.

David Warrell*Mind the Crawling Menace: South-East Asia Venomous Land Snakes*

Objectives:

- Discuss common clinical manifestations of different snake bites.
- Describe morbidity and mortality associated with snake bites.
- Discuss controversies in emergency management of snake bites.

Nuankanya Sathirapongsasuti*Marine Toxinology: Terror from the Deep*

Objectives:

- Describe types of poisonous and venomous marine animals.
- Discuss clinical manifestations of acute stings and/or bites.
- Discuss management and prevention of acute stings and/or bites.

Renjy Nelson*Food Toxins: Deadly Asian Delicacies*

Objectives:

- Describe various food toxins encountered.
- Discuss clinical manifestations of food toxins.
- Discuss acute clinical management and prevention.

Speaker: David Warrell, GB*Speaker:* Nuankanya Sathirapongsasuti, TH*Speaker:* Renjy Nelson, AU*Moderator:* Tony Gherardin, AU

Mind the Crawling Menace: South-East Asia Venomous Land Snakes	10:00 - 10:20
Marine Toxinology: Terror from the Deep	10:20 - 10:40
Food Toxins: Deadly Asian Delicacies	10:40 - 11:00

Free Communications

10:00 - 11:15

R2

Free Communications - Risk Estimates & Advice

Free Communications sessions are a collection of oral presentations based on abstracts submitted to and accepted by the CISTM17 SPC. Once all authors have confirmed, a list of talks and their presenters will be included here.

J. Nemhauser

Risk-Based Approach to CDC Travel Health Notices during the COVID-19 Pandemic: Adaptation and Implementation

M. Chuttani

Developing the Travel Planner Web Portal to Assist in the Communication of Local COVID-19 Guidance

W. Piyaphanee

Planned Healthcare during Travel: A Descriptive Analysis from the GeoSentinel Network, 2017-2020

E. Meltzer

Incidence of Dengue Fever in Israeli Travelers 2008 - 2019

Moderator: Poh Lian Lim, SG

Break

11:15 - 12:00

R6

Break / Expo Hall*Roundtable*

12:00 - 13:15

Zoom

RT: The Future of Air Travel

Modern aviation has transformed international travel. The climate change emergency and COVID-19 pandemic have focused efforts to develop safer, more environmentally friendly approaches to air travel. This interactive roundtable discussion will consider the current status of global air travel and imagine how the aviation industry will adapt to meet its environmental obligations and maximize traveller safety. We encourage lively audience participation in this session. Please come armed with lots of questions for our panelists!

Objectives:

- Reflect on flight safety and prevention of on-board transmission of infectious diseases, including COVID-19.
- Discuss medical fitness to fly and in-flight medical emergencies.
- Explore trends and projections with regard to environmentally sustainable aviation.
- Consider how the flight-shaming movement will impact future air travel.

Speaker: Brinio Veldhuizen van Zanten, NL

Speaker: Stefan Gössling (Q&A Paul Peeters, The Netherlands), SE

Moderator: Michael Jones, GB

Symposium

12:00 - 13:15

Zoom 2

SY: States of Mind: Mental Health Issues Facing Travellers Sponsored by IAMAT

Mental health of travellers has traditionally been a neglected aspect of travel medicine. Travellers with risk factors for psychiatric illness should be screened and appropriately counselled in the travel clinic, in conjunction with the traveller's primary care and mental health providers. This symposium will cover multiple facets of mental health and travel, including recreational and criminal drug tourism, repatriation of travellers with serious acute mental disturbances, and the challenges in diagnosing and managing patients with delusional parasitosis.

Yen Bui*From the Hippie Trail to the Amazon: Narcotourism in the Modern Era*

Objectives:

- Provide updates on the main areas for and types of drug tourism along with associated risk behaviors.
- Describe the phenomenon of ayahuasca ingestion ceremonies.
- Address criminal aspects of narcotourism.

Phil Gothard*Itching for a Diagnosis: The Challenges of Managing Delusional Parasitosis*

Objectives:

- Discuss the clinical presentation of patients with delusional parasitosis (infestation).
- Describe the diagnostic work-up of patients with suspected delusional parasitosis.
- Outline the management of affected patients.

Marius Van Aswegen*Addressing Mental Health Issues and Assisting Travellers*

Objectives

- Address the mental health risks of international travel
- How to identify and assist travellers with special vulnerability to mental illness

Speaker: Yen Bui, CA*Speaker:* Marius Van Aswegen, ZA*Moderator:* Tullia Marcolongo, CA**From the Hippie Trail to the Amazon: Narcotourism in the Modern Era**

12:00 - 12:20

Addressing Mental Health Issues and Assisting Travellers

12:20 - 12:40

Deep Dive

12:00 - 13:15

Zoom3

Deep Dive: Schistosomiasis - a Disease of Many Faces

Schistosomiasis is one of the most common diseases in the world, affecting more than 200 million people. Although the disease is not associated with high mortality, the disease related morbidity is significant. In recent years, we have seen the expansion of the disease in Europe, the importation of the disease by travellers and by immigrants. These two populations have different disease manifestations and require different modes of diagnosis and treatment modalities. The speakers will discuss these and other aspects and

will highlight the multifaceted aspects of the disease as manifested in travellers and endemic populations.

Charlie King*On the Move: Schistosomiasis in the Migrant Population*

Objectives:

- Describe the epidemiology and burden of the disease.
- Describe the clinical features in the migrant population.
- Discuss treatment options in endemic populations and migrants.

Eyal Melzer*Clinical Aspects in Travellers*

Objectives:

- Understand the burden of the disease among travellers.
- Review current knowledge of clinical aspects in travellers.
- Reflect on diagnostic and follow-up challenges in travellers..

Lisette Van Lieshout*Recent Developments in Diagnosis*

Objectives:

- Review diagnostic methods, including the role of serology.
- Consider use of antigen capture test for diagnosis and follow-up.
- Understand the role of microscopy in travellers and endemic regions.

Speaker: Charlie King, US*Speaker:* Eyal Melzer, IL*Speaker:* Lisette Van Lieshout, NL*Moderator:* Eli Schwartz, IL

On the Move: Schistosomiasis in the Migrant Population	12:00 - 12:20
Clinical Aspects in Travellers	12:20 - 12:40
Recent Developments in Diagnosis	12:40 - 13:00

Symposium: Industry-Sponsored

13:15 - 14:15

Zoom

Symposium: Industry-Sponsored: Addressing the impact of COVID19 in travel clinics: the travel industry perspectives and some key insights of future of travel medicine

This session will provide some glimpses into the impact of COVID-19 on the work of some travel medicine providers, discuss the future of travel medicine including travel trends, and insights on travel medicine as a whole.

Objectives:

- Describe how COVID-19 impacted travel medicine providers and travellers.
- Review and project travel trends and what travellers might need.
- Discuss the needs of travel medicine providers, some gaps in knowledge, and pre-travel preparation in the future.

Speaker: Albie de Frey, ZA*Speaker:* Lin Chen, US*Speaker:* Stephanie Boyle, GB*Moderator:* Christoph Hatz, CH*Break*

13:15 - 14:30

R6

Meal Break*Zoom Session*

14:30 - 15:30

Zoom

Case-of-the-Day*Workshop*

14:30 - 15:45

R1

WS: Adventurous Spirits: Perspectives on the Young Adult Traveller

Young adult travellers are often first-time or inexperienced travellers who may be unaware of potential health and safety risks they may encounter. This session will focus on common behaviors and activities among this special group of travellers, and how a lack of understanding and poor perception of risk can have potentially devastating outcomes for both the traveller and the community.

Objectives:

- Describe the travel patterns of young adult travellers and approach to preparing young adult travellers for international travel.
- Understand various scenarios involving the arrest, detention, and repatriation of young adult travellers.
- Reflect on examples of irresponsible travel and promoting responsible travel in the young adult population.

Speaker: Caroline Nash, AU*Speaker:* Catherine Keil, AU*Speaker:* Lisa Scotland, NZ*Moderator:* Karen Avery, US*Break*

15:45 - 16:30

R6

Break / Expo Hall

Plenary

16:30 - 17:30

R1

Alan Magill Memorial Lecture: Pathogenesis of Cerebral Malaria: Lessons Learned at the Bedside - Alan Magill Memorial Lecture

While the precise mechanisms of cerebral malaria (CM) pathogenesis remain unclear, groundbreaking studies performed in Malawi have given us insight into the pathogenesis of CM in children. A distinctive retinopathy in children with coma is a sensitive and specific indicator of sequestration of infected RBCs in the brain. Significant advances in our understanding of CM have been achieved through magnetic resonance imaging (MRI) studies, which indicate that brain swelling is the cause of death in CM. During this session, Dr. Taylor will walk us through her teams groundbreaking research which has helped our understanding of CM.

Objectives:

- Discuss the clinical presentation of pediatric cerebral malaria (CM).
- Review retinopathy associated with CM.
- Review neuroimaging findings and cause of death in pediatric CM.
- Discuss future interventions to help improve mortality in CM.

Speaker: Terrie Taylor, US*Moderator:* Christina Coyle, US*Reception*

17:30 - 19:00

Membership Reception

Saturday, 22. May 2021

Workshop
08:00 - 09:00

Zoom

WS: Baby on Board - Pregnancy and Travel

“Pregnant women should avoid travel” – but if they still decide to go? This session discusses the fundamentals of pre-travel advice for pregnant travellers.

Objectives:

- Outline important features of pre-travel advice for pregnant travellers.
- Discuss vaccine issues, challenges of long-haul flights and travel health insurance in the context of the pregnant traveller.
- Propose a “checklist” for the pre-travel advice of the pregnant traveller.

Speaker: Sarah Borwein, HK

Speaker: Pat Schlagenhauf, CH

Moderator: Dale Carroll, US

Symposium
08:00 - 09:15

R1

SY: Parasites Under Pressure: Novel Approaches to Malaria Prevention and Management

Plasmodium falciparum malaria still causes about 430,000 deaths per year. Vaccine development is underway and is sorely needed. Artesunate is improving outcomes and decreasing malaria deaths, but concerns about emerging resistance exist. In addition, *P. vivax* is dominant outside of sub-Saharan Africa and causes significant morbidity; tafenoquine, a new drug for prophylaxis, may be more effective than primaquine.

Steve Hoffman

The Long and Winding Road of Malaria Vaccine Development

Objectives:

- Discuss vaccine candidates in development for travellers' malaria.
- Discuss most recent clinical trials data.

Christoph Hatz

Artesunate in Travellers' Malaria Treatment

Objectives:

- Discuss the use of artesunate in malaria treatment in travellers.
- Discuss emergence of resistance to artemisinin therapy.

Johanna Daily

Tafenoquine: The New Kid on the Block

Objectives:

- Review the use of the drug as pan-malarial prophylaxis.
- Discuss the role in treatment of malaria.
- Consider the use of and adverse effects of tafenoquine.

Speaker: Steve Hoffman, US

Speaker: Christoph Hatz, CH

Speaker: Johanna Daily, US

Moderator: Ed Ryan, US

The Long and Winding Road of Malaria Vaccine Development

08:00 - 08:20

Artemisinins and Malaria

08:20 - 08:40

Tafenoquine: The New Kid on the Block

08:40 - 09:00

Symposium

08:00 - 09:15

R2

SY: Medical Care Abroad: Planned & Unplanned

Travellers may travel abroad for the purposes of receiving medical or surgical care which they cannot access in a timely or financially reasonable manner in their home countries. While this care may be of a high standard, the traveller should be aware of the risks involved and how to mitigate them. Dealing with unexpected illness overseas can be very challenging for travellers and their travelling companions. Travellers with chronic illness should have an emergency management plan prepared and all travellers should have appropriate travel insurance with repatriation coverage. This symposium will address medical tourism and obtaining unplanned medical care abroad.

Neil Lunt*Global Status of Medical Tourism*

Objectives:

- Review recent trends in international medical tourism.
- Discuss specific categories of medical tourism, including transplant and stem cell tourism.
- Explore bioethical aspects and controversies in medical tourism.

Venkatasubramanian Ramasubramanian*Infectious Disease Risks Associated with Medical Tourism*

- Describe the burden of infections occurring in medical tourists.
- Provide an overview of antimicrobial resistance in the context of medical tourists.
- Make recommendations for the prevention of medical tourism-related infections, including use of travel vaccines.

Prativa Pandey*Medical Assistance During Travel*

Objectives:

- Discuss issues surrounding travel and medical evacuation insurance for international travellers.
- Describe the challenges facing travellers in accessing medical care abroad.
- Outline the role of medical assistance organizations.

Speaker: Neil Lunt, GB*Speaker:* Venkatasubramanian Ramasubramanian, IN*Speaker:* Prativa Pandey, NP*Moderator:* Albie de Frey, ZA

Global Status of Medical Tourism	08:00 - 08:20
Infectious Disease Risks Associated with Medical Tourism	08:20 - 08:40
Medical Assistance During Travel	08:40 - 09:00

On-Demand

08:00 - 16:00

R4

ON-DEMAND COVID-19 in the Asia-Pacific Region*Poster*

08:00 - 17:30

R5

Poster Session

To view the list of posters, visit <https://www.istm.org/files/Poster%20for%20Website.pdf>.

To view the list of posters, visit <https://www.istm.org/files/Poster%20for%20Website.pdf>.

Plenary

09:15 - 10:15

Zoom

PL: OneHealth is "OurHealth"

The world is currently under the grip of a pandemic of zoonotic origin. In this plenary session we will look at past and possible future of major outbreaks of zoonotic origin. The importance of zoonotic reservoirs and changing human-animal interactions will be discussed.

Paul Tambyah*Too Close for Comfort - Origins and Consequences of Zoonoses*

Objectives:

- Discuss the nature and zoonotic origins of emerging respiratory infections.
- Justapose SARS, MERS and COVID-19, in comparison to influenza.
- Consider relevant environmental factors.

Jonna Mazet*Epidemic Potential of Zoonoses*

Objectives:

- Describe further important zoonotic infections with emerging potential.
- Explore potential that might help to indicate/predict a looming epidemic.
- Discuss if and how we may prepare for the next pandemic.

Speaker: Paul Tambyah, SG*Speaker:* Jonna Mazet, US*Moderator:* Michele Barry, US

Too Close for Comfort - Origins and Consequences of Zoonoses

09:15 - 09:40

Epidemic Potential of Zoonoses

09:40 - 10:05

Workshop

10:15 - 11:15

Zoom

WS: We're Jammin' - Mass Gatherings

During the ongoing Covid-pandemic many have been sensitised to the epidemic potential of mass gatherings. But what exactly are the health risks of different types of events and what preventive measures can travellers take?

Objectives:

- Discuss important mass gatherings around the world.
- Discuss specific health risks participants of different types of mass gatherings.
- Review aspects of safety, infection prevention and medical support for the participants.

Speaker: Salim Parker, ZA*Speaker:* Ziad Memish, SA*Moderator:* Olivier Aoun, FR

Workshop

10:15 - 11:15

Zoom 2

WS: COVID-19 Vaccines: Hesitancy, Ethics and Controversies

The rapid development and global roll-out of COVID-19 vaccines has focused attention on the importance of combating vaccine hesitancy in population efforts to achieve herd immunity. This workshop will consider the ethical aspects of global mass vaccination campaigns and how to address the problem of vaccine hesitancy.

Objectives:

- Define vaccine hesitancy, explore its origins and potential impact on COVID-19 vaccination.
- Address vaccine hesitancy in travellers.
- Describe variations in global attitudes and access to vaccines.
- Discuss approaches to achieving an equitable global distribution of COVID-19 vaccine.

Speaker: Elizabeth Barnett, US*Speaker:* Helen Rees, ZA*Moderator:* Richard Dawood, GB*Free Communications*

10:15 - 11:15

R2

Free Communications - Vaccines & Travellers' Diarrhea

Free Communications sessions are a collection of oral presentations based on abstracts submitted to and accepted by the CISTM17 SPC. Once all authors have confirmed, a list of talks and their presenters will be included here.

A. Roukens

Long-term Immunity after a Single Yellow Fever Vaccination in Travellers Vaccinated at 60 Years or Older: A 10-year Follow-up Study

S. Biswal

Three Years Efficacy of Takeda's Tetravalent Dengue Vaccine Candidate

M. Pender

Identifying Climate Variables as Important Predictors of Bacterial Etiology of Diarrhea among International Travelers to Nepal and Thailand

C. DeMaso

Detailed Characterization of Immune Responses to a Live-attenuated Tetravalent Dengue Vaccine in Adults from the United States

Moderator: Noreen Hynes, US*Break*

11:15 - 11:45

R6

Break / Expo Hall

Deep Dive

11:45 - 13:00

Zoom

Deep Dive: Clinical Conundra in Febrile Returning Travellers

Fever in returning travellers potentially has a wide differential diagnosis. In addition, more and more travellers are immunocompromised putting them at extra risk of infection. This case-based session will discuss three potentially severe febrile tropical infections that may affect the traveller.

Case 1**Sabine Jordan**

Objectives:

- Present an example of the given febrile condition
- Highlight important differential diagnoses
- Identify risk travelers/risk exposures for the condition discussed

Case 2**Eyal Leshem**

Objectives:

- Present an example of the given febrile condition
- Highlight important differential diagnoses
- Identify risk travelers/risk exposures for the condition discussed

Case 3**Thomas Weitzel**

Objectives:

- Present an example of the given febrile condition
- Highlight important differential diagnoses
- Identify risk travelers/risk exposures for the condition discussed

Speaker: Sabine Jordan, DE*Speaker:* Eyal Leshem, IL*Speaker:* Thomas Weitzel, CL*Moderator:* Vanessa Field, GB**Case 1**

11:45 - 12:05

Case 2

12:05 - 12:25

Case 3

12:25 - 12:45

Symposium

11:45 - 13:00

R2

SY: Neglected Tropical Diseases - the Crossroads of Tropical and Migrant Medicine

Migrations is increasing globally. Migrants with tropical diseases seen in non-endemic countries are at risk of remaining undiagnosed and untreated for long. In this session, epidemiology, clinical presentation, diagnostic tests and treatment of three major NTDs will be discussed.

Christina Greenaway*Silent but Deadly - Strongyloides*

Objectives:

- Explain which groups of migrants are at particular risk of strongyloidiasis.
- Discuss clinical presentations of strongyloidiasis including dissemination/hyperinfection syndrome, and persons at risk of dissemination.
- Compare advantages of screening vs. presumptive therapy.

Rogelio Lopez-Velez*My Achy Breaky Heart - Chagas Disease*

Objectives:

- Update on current epidemiology of Chagas disease and its importance in migrant medicine.
- Describe stages and clinical manifestations of Chagas disease.
- Highlight the patients to screen for Chagas disease, the screening methods, and possible benefits from treatment.

Priya Joseph*Facing the Lion - Leprosy*

Objectives:

- Provide a brief overview of the current epidemiology of leprosy.
- Outline the clinical spectrum of leprosy.
- Describe current treatment options and important side effects.

*Speaker: Christina Greenaway, CA**Speaker: Rogelio Lopez-Velez, ES**Speaker: Priya Joseph, IN**Moderator: Androula Pavli, GR***Silent but Deadly - Strongyloides**

11:45 - 11:55

My Achy Breaky Heart - Chagas Disease

11:55 - 12:05

Facing the Lion - Leprosy

12:05 - 12:15

Symposium: Industry-Sponsored

13:00 - 14:00

Zoom

SPONSORED SYMPOSIUM - Going the Extra Mile: Helping Travelers with Chronic Conditions or Suppressed Immune Systems Travel Smart During COVID-19

This presentation will focus the discussion on travelers with chronic conditions or immunosuppression who are at greater risk for either severe illness from COVID-19 infection or other travel-related illness. The impact of COVID-19 on pre-travel health consultation by HCPs, particularly in vulnerable populations of travelers with chronic conditions or immunosuppression will be highlighted.

Objectives:

- Discuss trends in travel by persons with chronic conditions or immune suppression.
- Outline the decision-making processes of travellers regarding their travel health preparations.
- Highlight the impact of COVID-19 on pre-travel health consultation in vulnerable populations of travellers with chronic conditions or immunosuppression.

Break

13:00 - 14:15

R6

Meal Break*Symposium*

14:15 - 15:45

Zoom

Late Breaker Symposium: Fresh Off the Press Advances in Travel Medicine (Zoom Session)

The respective experts will present timely information on new disease-tracking technology, development of pandemic vaccines, clinical revelations, and a vaccine to be licensed soon.

Jemma L. Geoghegan

Use of Evolutionary Virology to Track and Contain SARS-CoV-2 in New Zealand

Objective:

- Describe the use of molecular virology to define chains of transmission into New Zealand introduced by travelers to track penetration into the community.

Stephen M. Ostroff

Vaccine Development Lessons for the Next Pandemic

Objectives:

- Discuss the good and bad of development, production, allocation, and distribution of COVID-19 vaccines.
- Describe the regulatory, scientific, and manufacturing capabilities that need to be pre-positioned well before the next pandemic.

Robert W. Cross

Long-term Latency of Ebola Virus in Humans

Objective:

- Provide important conceptual changes in our understanding of Ebola support by 2021 sequence data from Guinea and immunologic data from surrounding countries since the 2014 outbreak.

Jiri Beran

Tickborne Encephalitis Vaccine Lessons to the US From Europe

Objective:

- Summarize the long European experience of TBE vaccine in travelers as a background to inform US indications and dosing regimens. TBE vaccine (from Pfizer only) is expected to have FDA approved by August 2021 with CDC/ACIP recommendations in October.

Use of Evolutionary Virology to Track and Contain SARS-CoV-2 in New Zealand	14:15 - 14:35
Vaccine Development Lessons for the Next Pandemic	14:35 - 14:55
Long-term Latency of Ebola Virus in Humans	14:55 - 15:15
Tickborne Encephalitis Vaccine Lessons to the US From Europe	15:15 - 15:35

Workshop

14:15 - 15:15

R2

WS: Adapting Travel Clinic Practice in the Time of COVID

The pandemic of COVID-19 has disrupted travel medicine practice and accelerated the adoption of digital technologies. This workshop will discuss the challenges in opening or adapting an existing travel clinic during the pandemic.

Objectives:

- Adapt existing travel medicine practice to cater to the needs of the travelling public during the COVID-19 pandemic.
- Describe the steps to be followed when setting up a travel clinic during the COVID-19 pandemic.

Speaker: Rebecca Acosta, US*Speaker:* Derek Evans, GB*Moderator:* Gail Rosselot, US*Break*

15:30 - 16:00

R6

Break / Expo Hall*Zoom Session*

16:00 - 17:00

Zoom

CISTM17 Closing Ceremony