



International Federation of Environmental Health

16th IFEH World Congress on Environmental Health
WCEH
2022 Kuala Lumpur Malaysia



Environmental Health Issues, Challenges and Sustainability: Covid-19 Pandemic



23rd-25th August 2022



World Trade Centre, Kuala Lumpur



www.wceh2022malaysia.com

Organised by:

Supported by:



Meet in Malaysia
BE Greater, Together.





Message from the President of Malaysian Association of Environmental Health (MAEH)



Malaysian Association of
Environmental Health

Dear Participants,

The Malaysian Association of Environmental Health (MAEH) would like to formally welcome each one of you to the 16th International Federation of Environmental Health (IFEH) World Congress 2022, in short WCEH 2022. We can't wait for the participation and positive response you will show to this congress.

MAEH is very honoured to be WCEH 2022's host. This will be the 2nd time Malaysia has had the privilege to host this reputable event since 1994. Our conference in 1994 was a huge success with no less than 1000 participants, 700 of which were from Malaysia. First and foremost, we look forward to all the different esteemed member organisations that are sending their representatives to attend WCEH 2022. Additionally, we urge those with an interest in environmental health topics to come and join as you will be able to learn and experience a lot through this congress.

We are hoping to have an estimated attendance of 800 EH practitioners, professionals, and academicians within the environmental health field from all over the world. We look forward to the time and opportunity to meet, connect and exchange pointers with one another. More importantly, we hope that through this event, you will create and grow friendships with others of similar interests from various places around the world.

Aside from the event, we also wish that you will take time to explore our beautiful country that is Malaysia. From its beautiful scenery to its iconic street food experience, we do hope that Malaysia can accommodate all your preferences. Through visiting and exploring Malaysia, we also hope for you to be able to see the effort MAEH has given to improving the environmental health in Malaysia.

We are also pleased to announce that MAEH will be offering a Spouse Tour for all the spouses of attendees. For a small sum, your spouses will be able to enjoy a tour of Malaysia and experience the different things our country has to offer. For more information on the spouse tour, you can head to our registration portal.

Above all, we are dedicated to deliver an unforgettable WCEH 2022 experience ensuring that all our participants will want to come back.

We hope you enjoy your time and stay in Malaysia.

Sincerely,

Megat Azman Bin Megat Mokhtar
President
Malaysia Association of Environmental Health (MAEH)





Message from WCEH 2022 Organising Chairman

Dear Participants,

On behalf of the WCEH 2022 Organising Committee, we would like to formally welcome you to the 16th International Federation of Environmental Health (IFEH) World Congress 2022.

We as the organising committee are excited and honoured to welcome you all to this event. We hope for a positive response from organisations around the world and from people who are interested in environmental health topics.

MAEH is the association that represents Malaysia for environmental health ventures. Additionally, MAEH is one of the founding members of IFEH since 1985 and have been an affiliated member since then.

This will be the 2nd time Malaysia is given the honour to host this prestigious event after 28 years.

We are estimating an attendance of at least 800 participants within the environmental health field from all over the world. This will make WCEH 2022 a perfect place for you to foster friendships to grow and learn together.

We, the organising committee have put in a lot of effort to ensure that this congress will match the standards of the previous congresses. We promise that you will have a great time, not only attending the congress but having the opportunity to visit Malaysia.

Above all, we are dedicated to deliver a world-class WCEH 2022 Congress and ensuring all our participants go home happy and hungry for more.

So, come excited and with great expectation.. We look forward to seeing you in the congress.

Sincerely,



Tee Eng Ong
Organising Chairman
16th International Federation of Environmental Health (IFEH)
World Congress 2022 (WCEH 2022)



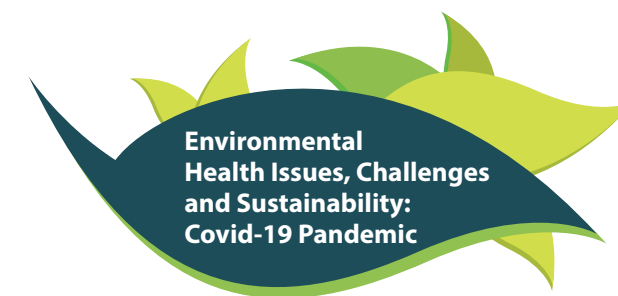


WCEH 2022

Organising Committee List

- Organising Chairman** : Tee Eng Ong
- Co-Chairman** : Megat Azman Bin Megat Mokhtar
- Secretary** : Mohmad Puad Bin Ma'on
Rudiaswady bin Abdul Rahim
- Treasurer** : YM Tengku Abdullah bin Tengku Amir
Robiatul Munawwirah binti Ahmad
- Organising Committee** : Chandrakant Patel
Dr Farah Ayuni binti Sahafea @ Shafie
Mohamad Ridzuan bin Mohamad Salleh
Wee Kong Heng
Dr Subramaniam Karuppanan
Veeramohan Supramaniam
Muniandy M. Nathan
Prof Dr Juliana binti Jalaludin
Dr Mohamad Azhar bin Mohd Noor
Dr Muhammad Amir bin Kamaluddin
Assoc Prof Madya Dr Irniza bin Rasdi
Azli Syam bin Mohd Anuar
Mohd Razif bin Sarkam
YM Raja Kamarul Abidin bin Raja Kamarul Zaman

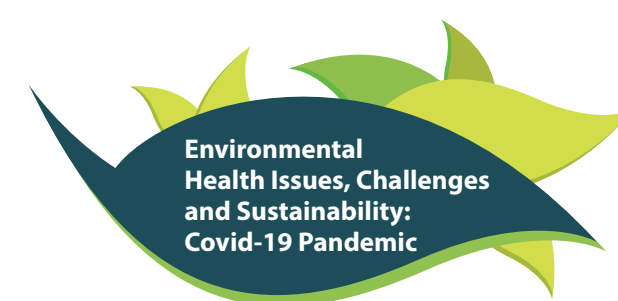




Programme at a glance

Day 1 (Tuesday, 23rd August 2022)

Time	Lecture Hall A		Lecture Hall B	
0700	Registration Starts			
	Keynote Address			
0830 - 0930	Emergency Preparedness and Public Health Response: From Pandemic to Environmental Health Disaster Special Guest of Honor Welcome Speech		Dr David T. Dyjack Executive Director, National Environmental Health Association, USA	
0930 - 1000	Special Guest of Honor Welcome Speech			
1000 - 1100	Opening Ceremony			
1100 - 1130	Tea Break, Poster Viewing & Exhibition Booth Visit			
	Plenary 1			
1130 - 1215	Emerging and Re-Emerging Infectious Diseases in relation to Climate Change with special mention on COVID 19: Global Impact and Sustainability Issues		Datuk Dr. Lokman Hakim Sulaiman International Medical University (IMU), Malaysia	
	Plenary 2			
1215 - 1300	Climate Change & Environmental Health: How the World Can Adapt to Climate Change Through Lessons Learnt from COVID-19		Prof. Jamal Hisham Hashim Honorary Professor of Environmental Health, UNISEL	
1300 - 1400	Lunch, Poster Viewing & Exhibition Booth Visit			
	Symposia 1: Emerging & Re-emerging Infectious Diseases Related to Environment		Symposia 2: Air Quality, Climate Change & Environmental Health & Pest and Vector Control	
1400 - 1430	Modelling and Forecasting COVID-19 in Malaysia	Dr. Balvinder Singh Gill a/l Pradhman Singh Centre Head, Special Resource Centre (SRC), Institute of Medical Research (IMR), Malaysia	Impact of MCO on Air Pollution and Climate Change During and Post Pandemic of COVID-19	Prof. Dr. Budi Haryanto Director, Research Center for Climate Change University of Indonesia
1430 - 1500	Challenges in Disease Management during the Pandemic	TBC	Built Environment: A Paradigm Shift to Combat Indoor Respiratory Infection	Dist. Prof. Lidia Morawska Director, International Laboratory for Air Quality and Health (WHO CC for Air Quality and Health)
1500 - 1530	Artificial Intelligence: A New Era for Spatial Modelling and Interpreting Environment Hazard and Risk Assessment	Dist. Prof. Biswajeet Pradhan Director, Centre for Advanced Modelling and Geospatial Information Systems (CAMGIS)	Overcoming the dengue challenges using Wolbachia Strategy	Dr. Nazni Wasi Ahmad Research Officer, The Infectious Disease Research Centre (IDRC), Institute of Medical Research (IMR), Malaysia
1530 - 1600	Tea Break, Poster Viewing & Exhibition Booth Visit			
1600 - 1800	Free Paper Presentations 1		Free Paper Presentations 2	
	End of Day 1			
1930	Conference Dinner			

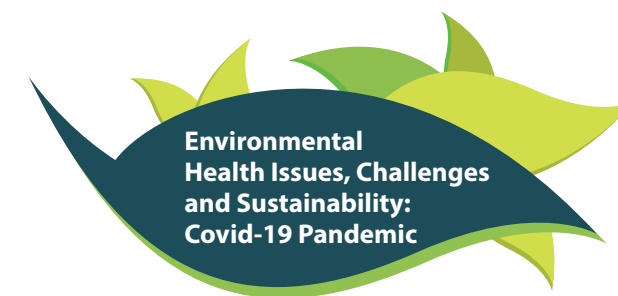


Programme at a glance

Day 2 (Wednesday, 24th August 2022)

Time	Lecture Hall A		Lecture Hall A		Lecture Hall C	
0730	Registration Starts					
Plenary 3						
0830 - 0915	Strengthening Environmental Health Resilience to Pandemic COVID-19 and other emergencies - Global Perspective		Prof. Susana Paixão President, International Federation of Environmental Health (IFEH)			
Plenary 4						
0915 - 1000	Food Safety and Hygiene: Food Safety & Hygiene Issues: Addressing Food Security Issues		Mr. Richard Sprenger Founder and Chairman of the Highfield Group			
Plenary 5						
1000 - 1045	Occupational Health & Safety: COVID19 and Occupational Health Practice		Prof. David Koh Professor, Saw Swee Hock School of Public Health, National University of Singapore			
Tea Break, Poster Viewing & Exhibition Booth Visit						
1045 - 1115	Symposia 3: Hazardous Material, Toxic Waste Management and Sustainable Solid Waste Management		Symposia 4: Food Safety & Food Security			
1115 - 1145	Sustainable Solid Waste Management – A Glimpse into Singapore’s Experience and Strategy	Mr. Jonah Joshua Simon 1 st Vice President, Society of Environmental Health, Singapore	Food Safety & Security in Thailand	Mr Prasert Makkaew Department of Environmental Health and Technology, School of Public Health, Walailak University, Thailand		
1145 - 1215	Solid Waste Management in Malaysia: Environmental Health Approach Towards Circular Economy	Ts. Sahhir Kunju Abdul Karim Director, 3R Management Division, SWCorp	Food Safety & Food Security Issues and Challenges during the Pandemic in New Zealand	Tanya Morrison President, New Zealand Institute of Environmental Health		
1215 - 1245	Hazardous Material and Toxic Waste Management	TBC	Food Safety & Food Security Issues and Challenges during the Pandemic	Mr Ruba Sundaram Muthusamy Principal Assistant Director, Department of Food Safety And Quality, Ministry of Health, Malaysia		
1245 - 1345	Lunch, Poster Viewing & Exhibition Booth Visit					
Symposia 5: Wastewater Management and Water Quality			Symposia 6: General Environmental Health Issue			
1345 - 1415	Rivers of Malaysia: Uses, Importance and Threats	Ir. Dr. Zaki Zainudin International Water Association (WA)	The IFEH and the One Health Movement	Dr Henry Scarlett President-Elect, International Federation of Environmental Health (IFEH)		
1415 - 1445	Metagenomic Profiling of Microbial Diversity in Malaysian Riverine Flood-prone Areas	Dr. Ahmad Shakir Mohd Saudi Environmental Healthcare Section, Institute of Medical Science Technology University Kuala Lumpur	COVID-19 Management in Bangkok focus on COVID Free Setting Measure	Mr Paitoon Ngammuk Director of Environmental Sanitisation Office, Health Department, Bangkok Metropolitan Administration (BMA), Thailand		
1445 - 1515	Microplastics as an Emerging Environmental Pollutant in Soils: Current Understanding and Identification of Future Research Needs	Assoc. Prof. Dr. Sarva Mangala Praveena Department of Environmental and Occupational Health, Faculty of Medicine and Health Science, Universiti Putra Malaysia	The challenges and utilisations of Environmental Health Officers roles from Local Authorities during a pandemic	Mr Ooi Poh Keong Director, Environmental Health Consulting Division, Local Government Department (KPKT)		
1515 - 1545	Tea Break, Poster Viewing & Exhibition Booth Visit					
Symposia 7: Environmental Health Resilience during Pandemic & Disaster			Symposia Malaysiana			
1545 - 1615	Measures to Prevent Covid 19 During Disaster	Dr. Ahmad Riadz Mazeli Environmental Health Unit, Disease Control Division, Ministry of Health, Malaysia	Allied Health: Moving forward after COVID-19	TBC		
1615 - 1645	Disaster Risk Reduction	Mr Henning Hansen The Danish Association of Environment and Nature Protection Officers (ENVINA)	Prevention and Control of Infectious Diseases Act 1988 in fighting COVID-19 in Malaysia	Mr Hasnainin Hassan Head, Inspectorate and Legislative Sector Public Health Development Division, Ministry of Health, Malaysia		
1645 - 1715	Disaster Challenges and Issues: First World Country, Third World Contradictions	Mr Philip Swain National President, Environmental Health Australia	The Journey of Environmental Health Professionals During COVID-19	Mr Rudiaswady bin Abdul Rahim Honorary Secretary Malaysian Association of Environmental Health (MAEH)		
1715 - 1815	Free Paper Presentations 3		Free Paper Presentations 4			
End of Day 2						

IFEH Faculty Meeting 2.30pm



Programme at a glance

Day 3 (Thursday, 25th August 2022)

Time	Lecture Hall A		Lecture Hall B	
0800	Registration Starts			
	Symposia 8: Green Technology & Sustainability Research and Environmental Forensics		Symposia 9: Built Environment, Child Environmental Health and Occupational Health & Safety	
0830 - 0900	The public health impacts from two forcible threats: COVID-19 and climate change	Dr. Rohaida binti Ismail Head of Climate Change, Environment Health Research Center	COVID-19: Occupational health issues and challenges for safety & health professionals at workplace	Tuan Mohd Anuar bin Embi Director General, Department of Occupational Safety & Health, Ministry of Human Resources
0900 - 0930	Flushed Intelligence: SARS-CoV-2, Its Variability and Mutation Detection in Wastewater to Track Community Infections Dynamics in Malaysia	Dr. Rafiza binti Shaharudin Head, Environmental Health Research Center	Towards Sustainable Development: Issues and Challenges to Children's Environmental Health	Prof. Dr. Zailina Hashim Department of Environmental & Occupational Health Faculty Of Medicine & Health Sciences UPM, Malaysia
0930 - 1000	Green Technology Initiatives: Applications and Challenges in Promoting Environmental Sustainability	Prof. Dr. Mohd Razman bin Salim Faculty of Engineering, Technology & Built Environment, UCSI University	In The Face of an Endemic Transition: The Challenges and Opportunities for OSH (Psychosocial Impact)	Assoc. Prof. Ts. Dr. Mohd Shukri bin Mohd Aris Centre of Environmental Health & Safety, Faculty of Health Science, UiTM Selangor
1000 - 1030			The concentration of Major Air Pollutants during the Different Phases of Movement Control Orders due to the COVID-19 pandemic in Malaysia	Prof. Dr. Mohd Talib Latif Chairman, Sustainable Resources, Environment and Smart Living Research Cluster, Centre of IDEA-UKM, Malaysia"
1030 - 1100	Tea Break, Poster Viewing & Exhibition Booth Visit			
1100 - 1200	WCEH 2022 Panel Discussion Dr David Dyjack, Prof Susana Paixao, Dr Henroy Scarlett, Mr Megat Azman			
1200 - 1230	Closing Ceremony			
1230 - 1330	Lunch			
	End of Congress			



International Speakers



Budi Haryanto
Research Center for Climate Change
Indonesia



Biswajeet Pradhan
Centre for Advanced Modelling
and Geospatial Information
Systems (CAMGIS)
Australia



David T. Dyjack
National Environmental
Health Association
USA



David Koh
National University of Singapore
Singapore



Jonah Joshua Simon
Society of Environmental Health
Singapore



Lidia Morawska
International Laboratory for
Air Quality and Health
Australia



Philip Swain
Environmental Health Australia
Australia



Richard Sprenger
Highfield Group
UK



Susana Paixao
International Federation of
Environmental Health
Portugal



Tanya Morrison
New Zealand Institute of
Environmental Health
New Zealand

National Speakers



Ahmad Riadz Mazeli
Ministry of Health



Ahmad Shakir Mohd Saudi
Institute of Medical Science Technology
University Kuala Lumpur



Balvinder Singh Gill
Pradhaman Singh
Institute of Medical Research (IMR)



Jamal Hisham Hashim
Malaysian Association of
Environmental Health (MAEH)



Lokman Hakim Sulaiman
International Medical University (IMU)



Megat Azman Megat Mokhtar
Malaysian Association of
Environmental Health (MAEH)



Mohd Razman Salim
UCSI University



Mohd Shukri Mohd Aris
Centre of IDEA-UKM



Mohd Talib Latif
Centre of IDEA-UKM



Nazni Wasi Ahmad
The Infectious Disease Research
Centre (IDRC)



National Speakers (cont.)



Ooi Poh Keong
Director
Environmental Health Division
Department of Local Government



Rafiza Shaharudin
Environmental Health
Research Center



Rohaida Ismail
Environmental Health
Research Center



Rudiaswady Abdul Rahim
Malaysian Association of
Environmental Health (MAEH)



Ruba Sundaram Muthusamy
Principal Assistant Director
Food and Safety Division
Ministry of Health Malaysia



Sahhir Kunju Abdul Karim
Solid Waste and Public Cleansing
Management Corporation



Sarva Mangala Praveena
Universiti Putra Malaysia



Zailina Hashim
Department of Environmental
and Occupational Health
Universiti Putra Malaysia



Zaki Zainudin
International Islamic
University Malaysia

Hasnainin Hassan
Public Health Development Division
Ministry of Health

Henroy Scarlett
International Federation of Environmental
Health (IFEH)

Henning Hansen
The Danish Association of
Environment and Nature
Protection Officers (ENVINA)

Mohd Anuar Embi
Ministry of Human Resources

Paitoon Ngammuk
Bangkok Metropolitan
Administration (BMA)

Prasert Makkaew
Walailak University





Venue & Hotels Information

Official Congress Venue and Hotel

Official Congress Venue : World Trade Centre, KL

Official Congress Hotel : Seri Pacific Hotel



Hotels Information

Seri Pacific Hotel ★★★★★ *from MYR230/night (USD60)

From elegantly decorated rooms to quality facilities, Seri Pacific Hotel is the go-to for your business trip. Its strategic location makes it a prime option for participants looking for fast and easy transport to WTC. Additionally, not only is it connected to WTC, it also is connected to the Sunway Putra Shopping Mall. The hotel is easily accessible via the LRT (Light Rail Transit) station. It is an hour to KLIA and 15 mins away from KL Sentral. Facilities include a Gym, a Swimming Pool, and the infamous Teratak Spa. This hotel is right beside the Congress Venue. From MYR230/night (USD60).

Download Booking Form: <https://storage.unitedwebnetwork.com/files/974/e4538afec51f2480e1a1873ba07217ff.pdf>

Sunway Putra Hotel ★★★★★ *from MYR315/night (USD75)

Situated directly opposite World Trade Centre Kuala Lumpur, the 5-star Sunway Putra Hotel Kuala Lumpur is nestled in the heart of the diamond triangle, one of Kuala Lumpur's most eclectic districts; synonymous for its vibrant street scenes, lined with local and trendy cafes and bars, bustling markets, landmarks, and a melting pot of Asian cultures and traditions, all of which can be easily explored. This hotel is adjacent to the Congress Venue. From MYR315/night (USD75).

Special Booking Link: <https://reservations.sunwayhotels.com/110607?identifier=IFEHWC&rooms=1#/datesofstay>

Shangri-La Hotel ★★★★★ *from MYR400/night (USD95)

Perfectly situated in the heart of the city, explore, and discover well-known attractions and activities that Kuala Lumpur has to offer. Relax by the poolside in our tropical gardens, re-connect over drinks in our sun-drenched lounge or rejuvenate at our Health Club and Spa. Our hotel has been certified with Safeguard Hygiene Excellence and Safety label by Bureau Veritas providing you further reassurance and peace of mind. With a multitude of facilities such as clinic, Conference Facilities, Facilities for the Physically Challenged, Hair and Nail Salon, Non-smoking Rooms, Complimentary parking for in-house guests. A 15 - 20min car ride to the Congress Venue. From MYR400/night (USD95).

Please contact Secretariat should you wish to stay at Shangri-La Hotel.

Hilton Garden Inn ★★★★★ *from MYR150/night (USD35)

In central Chow Kit district, we offer views of KL Tower and Petronas Twin Towers. Buses stop in front of the north tower lobby, and the monorail is a five-minute walk away. Sunway Putra Mall, Merdeka Square, and Hospital Kuala Lumpur are within two kilometres. Our poolside bar and lounge, Rooftop 25 KL, is a place for celebrations with a city view. We also have business centre and meeting rooms. A 5 - 10min car ride to the Congress Venue. From MYR150/night (USD35).

Please contact Secretariat should you wish to stay at Hilton Garden Inn Kuala Lumpur Jalan Tuanku Abdul Rahman South.



Host Country Malaysia

Malaysia is a multicultural country with much to offer visitors—regardless of their budget or what their idea of fun might be. Kuala Lumpur, the country's capital, is a cosmopolitan city with amazing shopping and stunning architecture—within blocks, you'll find both the ultramodern Petronas Towers and several colonial palaces and buildings.

Malaysia is divided into 13 states and 3 federal territories inclusive of Peninsular Malaysia, East Malaysia, and the island of Labuan. An outstanding feature of Malaysia is the stark contrasts between its developed and natural attractions. Skyscrapers tower over wooden houses while hotels are located not far from beautiful beaches.

Just a short drive away from the capital, there are plenty of things to do—from islands, mountains, and record-breaking caves to countless temples and a unique chance to explore the fauna-rich jungle of Borneo.

For a refreshing new adventure, there is no better place than Malaysia.

**Further information on the country can also be obtained from the Malaysian government's official portal, www.malaysia.gov.my*





Host City Kuala Lumpur

Having the privilege to have direct flights from almost every major city around the world, Kuala Lumpur is an ideal spot to begin your journey. Kuala Lumpur is a famous gathering spot for vendors and tourists.

Kuala Lumpur city is a perfect fusion of the past and the present. This is demonstrated by a mix of British colonial buildings from the late 18th century to the many modern office towers. One of SEA's up and coming rising capitals, the city has grown over the last century from a little mining colony to a global phenom.

The Malaysian metropolis has withstood Asian economic crises and has not slowed down its development. Its symbol of hope lies in the iconic PETRONAS Twin Towers.

Housing some of Southeast Asia's biggest and most famous shopping malls, Kuala Lumpur is a hotspot for tourists and locals looking to go on a shopping spree and experience the rich culture. KL is also not short of sceneries, boasting some magnificent architecture like the Sultan Abdul Samad Building. Lastly, how could we forget the lively neighbourhoods and wonderful sights. After all that is what makes Malaysia, Malaysia.

To find out more information about cuisine & dining, nightlife & entertainment, shopping and others, you can visit the official website portal at www.visitkl.gov.my





Directions

Express Rail Link

The easiest way for you to get from KLIA Airport or KLIA2 Airport to the congress venue is through the “KLIA express”. Enjoy a fast and safe ride that takes less than 30 mins from KLIA to KL Central. The KLIA express costs less than MYR60 (less than USD15) for a one-way trip.

Additionally, KLIA express has a full schedule on their website to ensure that you never miss your flight. For more information and online booking, check out their website https://www.klia2.info/check_klia_transit_fare.php



The first KLIA Transit train from this ERL station to klia2 starts at 4:51 am (GMT +8) and the last train to klia2 is 12:23am (GMT +8).



Airport Taxi

The distance from the KLIA Airport or KLIA2 Airport to the congress venue is about 65 KM. The total car ride will take about 50 – 60 mins depending on the traffic condition. You may book for airport taxi upon arrival at the airport for the fare of MYR80 (USD20) onwards.





Directions (continued)

Travel Safety for Participants outside from Malaysia

Previously, all travellers required to download the app and fill in their personal details, purpose of visit and destination stay with vaccine information before entering Malaysia.

Effective from 1st August 2022, all international travellers entering Malaysia need not fill up Traveller's Card in MySejahtera. However, upon arrival, if a traveller is detected to have a fever or unwell through a thermal scanner, they will be referred to the nearest healthcare facility for further examination and treatment.

