



醫院管理局  
HOSPITAL  
AUTHORITY

# HA Operational Arrangement for Patient Suspected with Zika Infection

Ad Hoc ID Forum on Returning Travellers and Athletes from Brazil Olympics on 4 August 2016

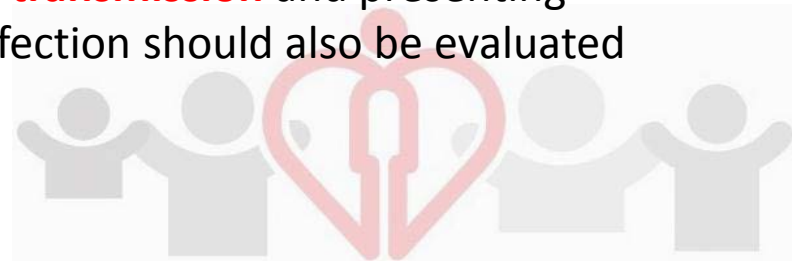
Prepared by CICO Office



# Laboratory Diagnosis



- Clinical suspicion is based on the patient's **clinical features (fever, arthralgia, rash and conjunctivitis) and travel to an affected area/country within 14 days.**
- Laboratory diagnostic service in HA:
  - For testing of Zika virus, submit request in GCRS with duly completed information (see the following slide).
  - Specimen type: Clotted blood / EDTA blood / urine
- For any case requiring follow-up / additional Zika testing, PHLSB will liaise with HA microbiologists and clinicians on the most appropriate test, specimen type and timing based on clinical / epidemiological information.
- Because of **overlap of areas with active disease transmission** and presenting symptoms, patients with suspected Zika virus infection should also be evaluated for **possible dengue fever or chikungunya.**



# GCRS Capture for Zika Virus testing

Search Result

Click to select an Ix.: Discipline ALL Ix zika Search

Discipline	Investigation / Service	Investigation Synonym	Specimen Description
Virology	Clotted blood, Zika virus RNA, RT-PCR		Plain Blood, 6ml red
Virology	EDTA blood, Zika virus RNA, RT-PCR		EDTA Blood, 6ml
Virology	Urine, Zika virus RNA, RT-PCR		Urine, plain

Ix Request X

Ix Information

LAB

Test Information

EDTA blood, Zika virus RNA, RT-PCR

1. Date of fever / symptoms onset compatible with Zika virus infection (dd/mm/yyyy) : 00/00/0000

2. Travel history to affected areas within 14 days before symptom onset:  Yes  No

3. Pregnant woman :  Yes  No



# Prevailing laboratory diagnostic arrangement for testing of Zika virus

(a) Clinically compatible; and  
(b) Travel history to an affected area within 14 days

- 1) Request in GCRS for Zika and input the following information:
  - a) Date of Fever / Symptoms onset compatible with Zika
  - b) Travel history to an affected area within 14 days before symptom onset: Yes (place: \_\_\_\_\_) / No
  - c) Date of return to Hong Kong
  - d) Pregnant: Yes (date of LMP: \_\_\_\_\_) / No
- 2) Send Clotted blood / EDTA blood /urine to PHLSB

Pregnant case

NO

YES

**contact hospital microbiologist** for  
urgent Zika PCR test request

Testing will be proceeded according to  
routine schedule at PHLSB

Hospital microbiologist informs PHLSB and CICO  
office to arrange an urgent test, with result in 24  
hours.

**\* Request for Dengue virus should be made to evaluate for possible Dengue fever**

In addition to the prevailing laboratory service, time-limited arrangement will be provided for returnee from Rio Olympic / Paralympic Games during 8 August – 14 October (~ 10 weeks)

- (a) Clinically compatible; and
- (b) returnee from Rio Olympic / Paralympic Games within 14 days

**Test Information**  
Clotted blood, Zika virus RNA, RT-PCR

1. Date of fever / symptoms onset compatible with Zika virus infection (dd/mm/yyyy) :

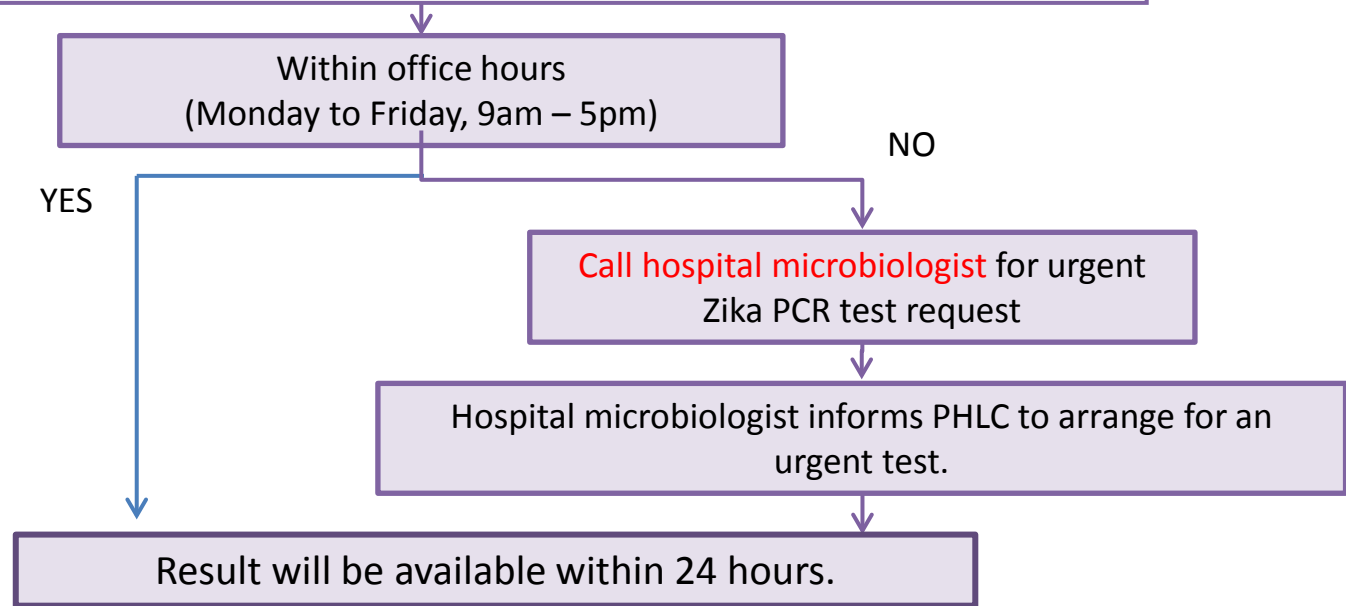
2. Travel history to affected areas within 14 days before symptom onset :  Yes  No

- Please indicate the place of travel :

- Date of return to Hong Kong (dd/mm/yyyy) :

3. Pregnant woman :  Yes  No

- Please input the LMP (dd/mm/yyyy): :
- Call hospital microbiologist for such request.



\* Request for Dengue virus should be made to evaluate for possible Dengue fever

# Surveillance



- Daily number of Zika PCR test request and results will be monitored

	A	B	C	D	E	F	G	H	I	J	K	L
1	Req_hosp	Req_no	HKID	HN	Sex	Age	Unit	DOB	Col_date	Reg_date	Specimen	req_cdetail
2	ABH	16M5081978	Z2486XX	AE16021101X	F	33	Years	19/12/1982 0:00	28/2/2016 22:12	29/2/2016 9:33	EDTA Bld	travel to Phuket.Date of fever / symptoms onset:27/02/2016,Travel history to affected areas within 14 days:Yes,Please indicate the place of travel:Phuket 16-23/2,Pregnant woman:Yes,Please input the LMP:23/12/2015
3	ACH	16M5081985	Z2486XX	AE16021101X	F	33	Years	19/12/1982 0:00	28/2/2016 22:12	29/2/2016 9:35	Clot Bld	travel to Phuket.Date of fever / symptoms onset:27/02/2016,Travel history to affected areas within 14 days:Yes,Please indicate the place of travel:Phuket 16-23/2,Pregnant woman:Yes,Please input the LMP:23/12/2015
4	ADH	16M5081992	Z2486XX	AE16021101X	F	33	Years	19/12/1982 0:00	29/2/2016 0:00	29/2/2016 9:36	Urine	travel to Phuket.Date of fever / symptoms onset:27/02/2016,Travel history to affected areas within 14 days:Yes,Please indicate the place of travel:Phuket 16-23/2,Pregnant woman:Yes,Please input the LMP:23/12/2015
5	AEH	16M5213568	M3349XX	TOPD16111951	F	32	Years	5/11/1983 0:00	27/5/2016 12:04	27/5/2016 15:18	Clot Bld	pregnant, travel history to Indonesia, some chills and rigour Date of fever / symptoms onset:30/03/2016,Travel history to affected areas within 14 days:Yes,Please indicate the place of travel:Bali, Indonesia,Pregnant woman:Yes,Please input the LMP:06/01/2
6												



# Clinics for HK delegates and travellers returning from Brazil from 8 August to 14 October 2016

## Hong Kong delegates (three clinics)

Clinic	Address	Telephone No.
Family Medicine Specialist Clinic, Tang Shiu Kin Hospital (Hong Kong Island)	282 Queen's Road East, Wan Chai	3553 3113
Family Medicine Clinic, Caritas Medical Centre (Kowloon)	111 Wing Hong Street, Sham Shui Po	3408 6938
Family Medicine Training Centre, Prince of Wales Hospital (New Territories)	30-32 Ngan Shing Street, Sha Tin	2632 3480
<b>Opening hours:</b> 9am to 1pm, 2pm to 5pm on weekdays, except public holidays		

## Travellers (seven clinics)

Clinic	Address	Telephone No.
<b>Hong Kong Island</b>		
Anne Black General Out-patient Clinic (GOPC)	1/F, 140 Tsat Tsz Mui Road, North Point	2503 4561
Kennedy Town Jockey Club GOPC	45 Victoria Road, Kennedy Town	2817 3127
<b>Kowloon</b>		
Shun Tak Fraternal Association Leung Kau Kui Clinic	2/F, To Kwa Wan Government Offices, 165 Ma Tau Wai Road, Kowloon City	2246 6713
Ngau Tau Kok Jockey Club GOPC	G/F, 60 Ting On Street, Ngau Tau Kok	3518 7726
Ha Kwai Chung GOPC	77 Lai Cho Road, Kwai Chung	3651 5411
<b>New Territories</b>		
Wong Siu Ching Family Medicine Centre	G/F, 1 Po Wu Lane, Tai Po	2652 3706
Yan Oi GOPC	G/F, 6 Tuen Lee Street, Tuen Mun	2988 5516
<b>Opening hours:</b> 9am to 1pm, 2pm to 5pm on weekdays; 9am to 1pm on Saturdays; except public holidays		



# Notifiable Disease (Cap 599)

effect from 5 February 2016

1	Acute poliomyelitis	18	Japanese encephalitis	35	Rubella and congenital rubella syndrome
2	Amoebic dysentery	19	Legionnaires' disease	36	Scarlet fever
3	Anthrax	20	Leprosy	37	Severe Acute Respiratory Syndrome (SARS)
4	Bacillary dysentery	21	Leptospirosis	38	Shiga toxin-producing Escherichia coli infection
5	Botulism	22	Listeriosis	39	Smallpox
6	Chickenpox	23	Malaria	40	Streptococcus suis infection
7	Chikungunya fever	24	Measles	41	Tetanus
8	Cholera	25	Meningococcal infection (invasive)	42	Tuberculosis
9	Community-associated methicillin-resistant Staphylococcus aureus infection (CA-MRSA)	26	Middle East Respiratory Syndrome	43	Typhoid fever
10	Creutzfeldt-Jakob disease	27	Mumps	44	Typhus and other rickettsial diseases
11	Dengue fever	28	Novel influenza A infection	45	Viral haemorrhagic fever
12	Diphtheria	29	Paratyphoid fever	46	Viral hepatitis
13	Enterovirus 71 (EV71)	30	Plague	47	West Nile Virus Infection
14	Food poisoning	31	Psittacosis	48	Whooping cough
15	Haemophilus influenzae type b infection (invasive)	32	Q fever	49	Yellow fever
16	Hantavirus infection	33	Rabies	50	Zika Virus Infection
17	Invasive pneumococcal disease	34	Relapsing fever		

**Confirmed case should be reported via NDORS**



# Infection Control and Isolation Precautions

- Standard Precautions
- However, mosquito may acquire infection when they feed on a viraemic person resulting in local spread of the virus
- The confirmed case with Zika virus infection should be hospitalized during viraemic phase and is required **to stay in a vector-free (mosquito-free) environment. No isolation ward/room is required for the admitted patient.**
- Isolation order will be issued by a health officer from CHP
- Mosquito control in hospitals is important

遇到下列情況，必須遵守

## 標準防護措施

Standard Precautions  
must be taken in the following situations

接觸血液、體液、分泌物、排泄物、黏膜或傷口  
必須戴上手套

Wear Gloves  
when handling blood, body fluids, secretions, excretions, mucous membrane or non-intact skin

若有可能接觸濺出血液或體液  
必須戴上口罩、眼罩及穿上保護衣

Wear a Mask, Protective Eyewear and a Gown  
to protect yourself from splashed blood or body fluids

切勿套回已使用的針咀

No Recapping

小心處理針咀及利器

Handle Sharps Carefully

接觸血液、體液、分泌物、排泄物、黏膜、傷口，或除下手套後  
應立即潔手

Perform Hand Hygiene Immediately  
after taking off gloves or handling blood, body fluids, secretions, excretions, mucous membrane or non-intact skin



醫院管理局  
HOSPITAL  
AUTHORITY

# Communication and Resource

The screenshot shows the Hospital Authority website interface. At the top, there is a navigation bar with links for HA Internet, News Centre, Apps, Events, Awards, eKG, T&D, Resources, Guidelines, and Contingency Plans. A search bar is located on the right. Below the navigation bar, there are several content blocks: a video player titled 'Basic Knot', a banner for the 'Hospital Authority Annual Report 2014-2015', and a 'Recent Updates' section. The 'Recent Updates' section lists several articles, including 'Mental Illness in Hong Kong', 'Revision of Guide to Speciality Costing', 'Congratulations to HA awardees on the 2016 Honours List', and 'Hospital Authority Guideline on Safety in Tui-Na for Chinese Medicine Practitioners (2016)'. A red box highlights the article 'Revision of Guide to Speciality Costing'.



Welcome to IEC webpage

- Home
- About Us
- COC/CCs
- Infectious Disease Control**
- Emergency Response & Crisis Intervention
- Corporate Clinical Psychology Service

## ZIKA VIRUS INFECTION



- Updates
- Reporting mechanism
- Letter to Doctors
- Press release
- Areas with active Zika virus transmission

List of countries/areas reporting vector-borne Zika virus transmission is available on CHP website:  
[http://www.chp.gov.hk/files/pdf/countries\\_areas\\_reporting\\_zika\\_virus\\_transmission\\_eng.pdf](http://www.chp.gov.hk/files/pdf/countries_areas_reporting_zika_virus_transmission_eng.pdf)

### Countries/areas reporting vector-borne Zika virus transmission (65)

#### A. First outbreak from 2015 to date (48)

- |                      |  |
|----------------------|--|
| Africa (2):          | Cape Verde; Guinea-Bissau  |
| Americas (40):       | Anguilla; Argentina; Aruba; Barbados; Belize; Bolivia; Bonaire, St Eustatius and Saba; Brazil; Colombia; Costa Rica; Cuba; Curacao; Dominica; Dominican Republic; Ecuador; El Salvador; French Guiana; Grenada; Guadeloupe; Guatemala; Guyana; Haiti; Honduras; Jamaica; Martinique; Mexico; Nicaragua; Panama; Paraguay; Peru; Puerto Rico; Saint Barthelemy; Saint Lucia; Saint-Martin; St Maarten; St Vincent and the Grenadines; Suriname; Trinidad and Tobago; the US Virgin Islands; Venezuela |
| Western Pacific (6): | American Samoa; Fiji; Marshall Islands; Micronesia; Samoa; Tonga   |



醫院管理局

HOSPITAL  
AUTHORITY

Thank you

