SPREADING DISEASES IN PERU

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ZIKA VIRUS

- Zika Virus is a disease spread through mosquito bites and unprotected sex.
- Most times is spread from pregnant women in which birth defect occurs.

Symptoms:

- pain in back of the eyes, joints, and muscles
- Whole body fatigue, fever, chills, loss of appetite, and sweating
- Eye redness, headache, skin rash, and vomiting

- symptoms are mild and last less than a week

Treatments:

- Focus on relieving through rest. Rehydration, and acetaminophen.
- Avoid using aspirin/ non steroidal anti- inflammatory



ZIKA VIRUS

Specialist needed:

- Infectious disease doctor
- Primary care provider (PCP)

Medications:

- Analgesic- relieves pain
- Antihistamine reduces/ stops allergic

reaction transmitted from pregnant women and birth defect.

Postpone pregnancy

In Peru

- Installed over 20,000 ovitraps in 2015 for dengue outbreak and did the same for Zika
- Health Ministry of Peru got involved
- First patient found in Jan, 2016

CHIKUNGUYNA

- It is an arbovirus transmitted by Aedes mosquitos.
- The most prominent frequent feature is severe arthritis with joint pain and swelling, muscle pain and headache.
- Joint pains may last months or years and may become a cause of pain and disability.
- No real treatment just protect from bites



CHIKUNGUYNA

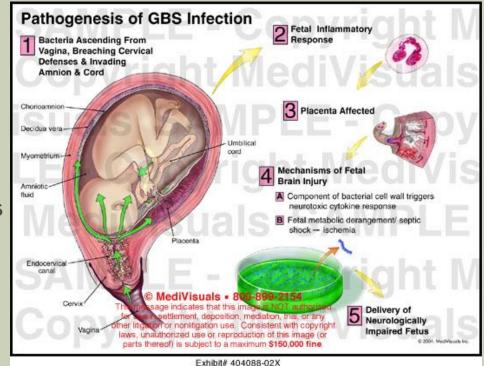
- First described in epidemic form in East Africa between 1952-1953
- Child found with chikunguyna from Zarumilla, Tumbes
- Confirmed positive by testing NIH in case of native chikunguyna
- Since Ecuador had it, Columbia and Bolivia had high numbers risk of disease in Peru was high



GUILLIAN BARRE-SYNDROME (GBS)

- A condition where the immune systems attack the nerves
- Mainly triggered by an acute bacterial or viral infection
- It is a very rare disease with fewer than 20,00 US cases per year.
- Condition does require medical diagnosis:
 - pain in the muscles
- abnormal walking, problems
 w/ coordination
 - fatigue or high blood pressure
- abnormal heart rhythm or fast heart rate

Strong temporal correlation between the outbreak/ later spikes in GBS and suspected microcephaly



GUILLIAN BARRE-SYNDROME (GBS)

Symptoms:

Weakness/ tingling in feet and legs that spread to the upper body. paralysis may occur

Treatments:

- Special blood treatments like plasma exchange, and immunologlobuin therapy may relive symptoms.
- Physical therapy

Medication- blood transfusion

Supportive care- ventilation and intubation Specialists – neurologist , CCD , Rehab, Pedi, RCP, etc

CHAGAS DISEASE

An infectious disease caused by a parasite found in the feces of the triatomine bug

Symptoms:

- Can be mild, causing swelling and fever or it can be long lasting
- Untreated can cause congestive heart failure
- Pain: in abdomen or muscles

Whole body: fever or body ache, abnormal heartbeat or skin rash Treatment:

- Taking medications that kill the parasite and on managing symptoms
- -Chronic disease can last for years or be lifelong
- Lab test or imaging always required



CHAGAS DISEASE

- Medication: anti- parasite: pyrethin
- Preventative: bed netting and insect repellent
- Specialists:

- infectious disease doctor-which treats infection including tropical in nature

-cardiologist- specializes in heart disorders

-Gastroenterologist-focuses on digestive system and its disorder

Peru: infectious rates are as high as 40% in rural communities

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