









2. KG (son) 18yrs
* URTI on plane
* Well
* Positive ICT for falciparum
* Schistosomiasis IgG positive 2.5 (negative <0.7)
* FBC normal
* Past contact Hep B
* HIV Ab negative







- * Recent malaria treated
- * Well, dental malocclusion
- * ICT positive for falciparum
- Schistosomiasis IgG positive 1.8 (neg < 0.7)</p>
- ♦ FBC normal
- Past contact Hep B (sAg neg, cAb pos, sAb pos)
- ♦ HIV Ab negative









Refugees

- $\boldsymbol{\ast}$ People of concern
 - includes refugees, internally displaced persons, asylum seekers
 - \bigstar 20 million worldwide
- * Definition of Refugee
 - * 'Person outside his / her own country and cannot return due to well-founded fear of persecution, because of race, religion, nationality, political view or culture'

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Resettlem	ents (2005	5)	
Main Cou	ntries of F	Refugee	

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Source: UNHCR (2006). Refugees by Numbers: 2006 Edition





* Freetown, Sierra Leone



- (3-12 months prior to departure)
- IOM to conduct pre-departure medical screening including:
 - **♦** HIV
 - ✤ Tuberculosis

Step 2

(within 1 week of departure)

- Pre-departure screening (preferably 72 hrs prior to departure) looking for:
 - Fever
 - * Respiratory tract infections
 - ♦ GI symptoms
 - * CDC approved malaria rapid diagnostic test (RDT)
 - Suspect development of other diseases (e.g. TB, measles, cholera, meningitis)

























Transmission

- Female anopheles mosquito
 Bites dawn to dusk
- Congenital
- Blood transfusion
- Sharing contaminated needles
- * Imported infected mosquitoes at airports

P. falciparum

- ♦ Case fatality for imported *P. falciparum* < 4%</p>
- ✤ P. falciparum should be treated in hospital
- $\boldsymbol{\ast}$ Usually oral therapy
- \clubsuit IV therapy if severe or unable to tolerate orals

Complications of <i>P. falciparum</i>	Anti-malarials
✤ Haemolysis	Quinoline derivatives
◆ ARF	chloroquine mefloquine auinine quinidine
✤ Blackwater fever	* Antifolates
♦ Cerebral malaria	 pyrimethamine dapsone
✤ Pulmonary oedema	 Artemisinin derivatives artemisinin artemether
✤ Hypoglycaemia	* Antimicrobials
 Splenic rupture (all species) 	 Clindamycin atovaquone



halofantrine

sulphonamides

primaquine

proguanil

artesunate

tetracyclines

amodiaquine



 \bigstar 70% refugees coming to Australia from endemic regions



Schistosomiasis (Bilharzia)

- * 200 million cases worldwide
- One of commonest tropical diseases (1 in 30 people worldwide)
- Endemic in Africa, Asia, Sth America
- Introduced into Sth America by African slaves
- ♦ Asymptomatic in 80%
- * 200,000 deaths/year











- ♦ S. haematobium Africa, Middle East, Turkey, India
- * S. intercalatum West & Central Africa









₩ GIT symptoms

- * Fatigue, abdo pain, diarrhoea
- ✤ Due to all types except S. haematobium
- Intestinal polyps bleeding
- ✤ Damage to liver venous system chronic liver disease





Diagnosis

- * Travel history
- ✤ Fresh water contact
- Eggs in faeces or urine (best collected between midday and 3pm)
- Schistosomal antibody (IgG)
- * Biopsy e.g. rectum, polyp







UNHCR (2006). Refugees by number: 2006 edition. www.unhcr.org/cgi-bin/texts/vtx/print?tbl=BASICS&id=3b028097c Accessed 13 September 2007

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