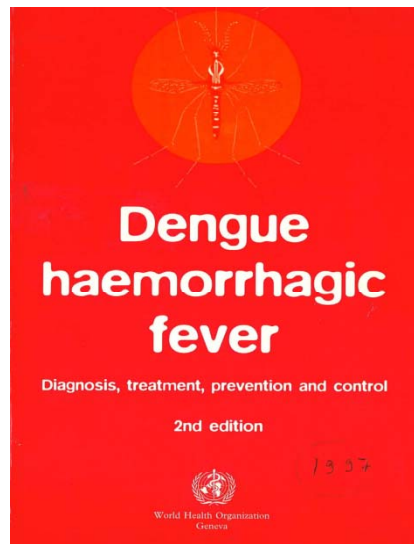
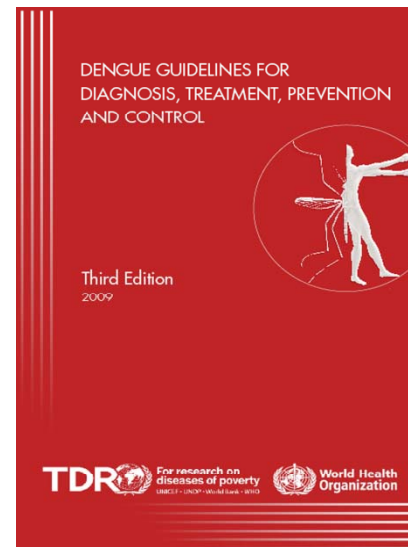


# Third edition of the WHO dengue guidelines: translating research into policy and practice

The 2<sup>nd</sup> edition (1997)



The 3rd edition (2009)



A collaboration  
of the wider  
dengue group  
WHO/HQ  
& Regional Offices  
& more than  
70 international  
dengue experts

*Olaf Horstick, UNICEF/UNDP/World Bank/WHO,  
Special Programme for Research and Training  
in Tropical Diseases (TDR), Geneva, Switzerland*

# *The DenCo study*



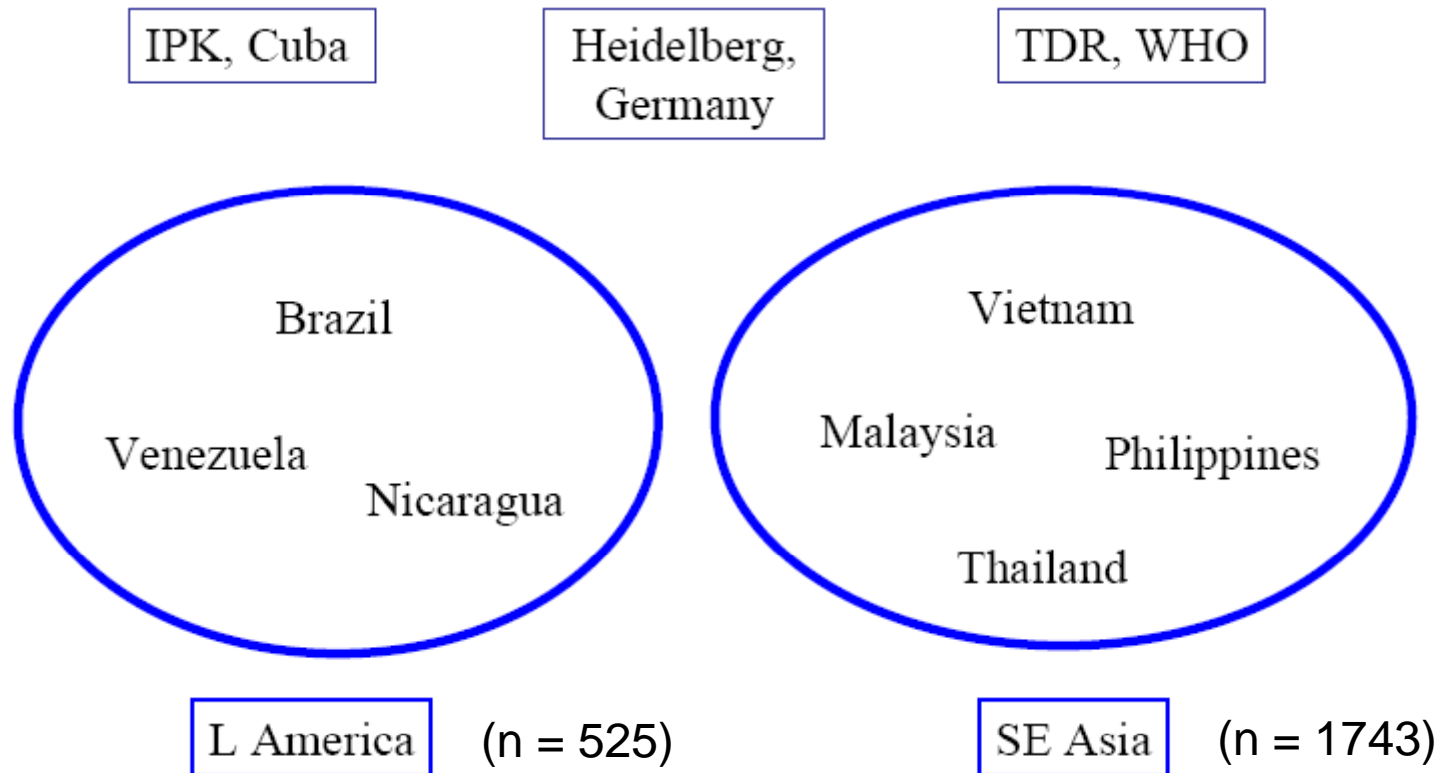
**Clear distinction between dengue and severe dengue under the following criteria:**

## **Severe dengue**

**Severe dengue is defined by either one of the following:**

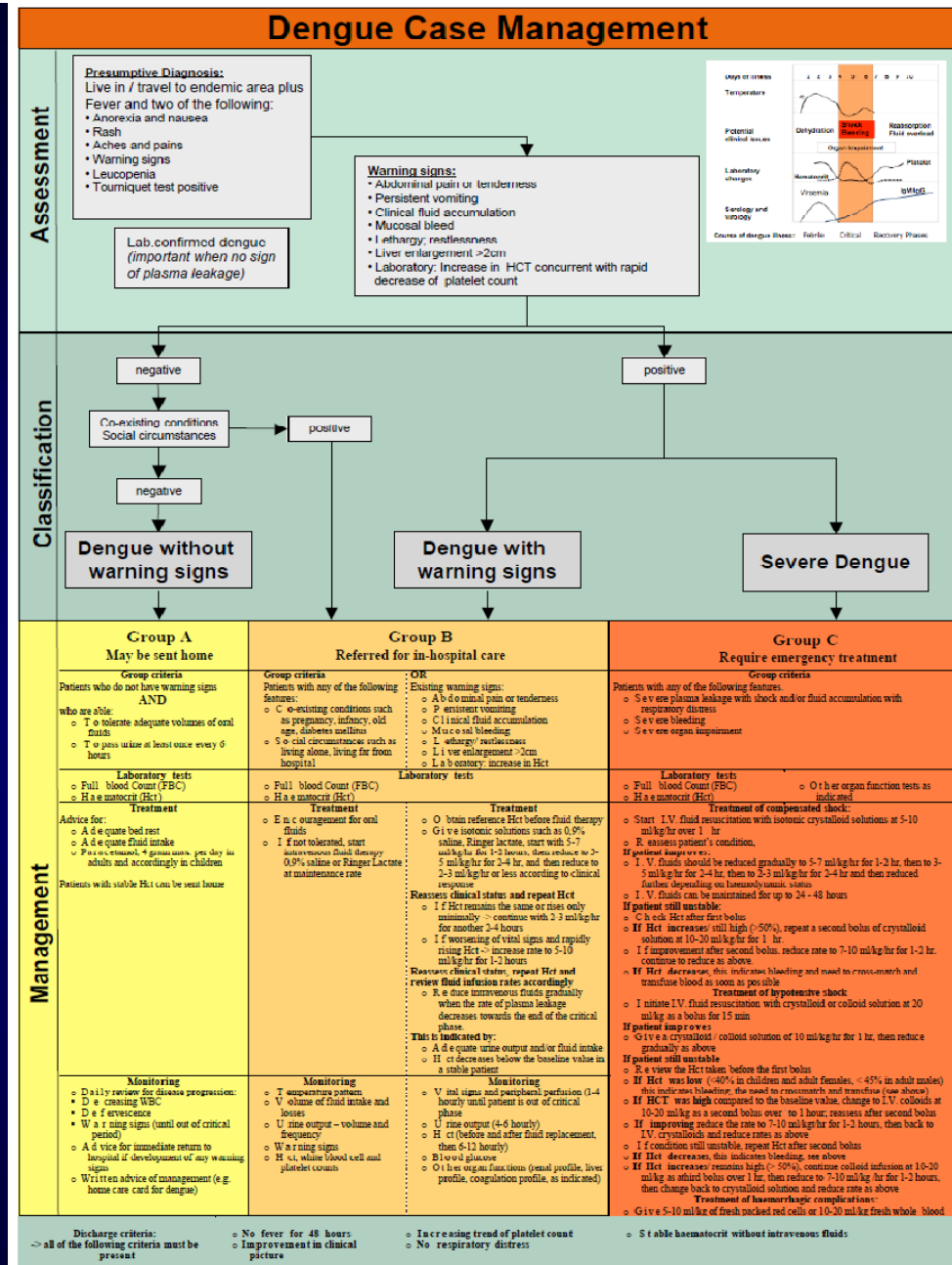
- 1. Severe plasma leakage**
  - Clinical shock
  - Any evidence of fluid accumulation with respiratory distress
- 2. Severe bleeding as evaluated by clinician**
- 3. Severe organ involvement**
  - Severe liver involvement with  $AST \geq 1000$  or  $ALT \geq 1000$
  - Impaired consciousness with  $GCS < 15$  or  $BCS < 5$

## DENCO clinical study: partners involved



★ Recruitment between August 2006 and May 2007

# The revised WHO dengue case classification guides case management: an algorithm has been suggested





# Usefulness and applicability of the revised dengue case classification by disease: multi-centre study in 18 countries

Judit Barniol, Roger Gaczkowski, Eliana Vega Barbato, Rivaldo V da Cunha, Doris Salgado, Eric Martínez, Carmita Soria Segarra, Ernesto B Pleites Sandoval, Ajay Mishra, Ida Safitri Laksono, Lucy CS Lum, José G Martínez, Andrea Núñez, Angel Balsamedá, Ivan Allende, Gladys Ramírez, Efren Dimaano, Kay Thomacheck, Naeema A Akbar, Eng E Ooi, Elci Villegas, Tran T Hien, Jeremy Farrar, Olaf Horstick, Axel Kroeger and Thomas Jaenisch