

# Franco Vietnamese Association for Liver Studies and Education

**FValse**

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Training in Reproductive Health Research  
Geneva 2006

## Vietnam

## Ho Chi Minh City

Pop 81'300'000

> 6'000'000

Rural 80%

PIB 428 USD

> 1450 USD

5 y mortality 39/1000

Literacy 95%





# FVH - Gastroenterology

activity per month

- > 500 OPD consultations
- > 100 IPD admissions
- > 200 gastro-colonoscopies

staff

- one permanent vietnamese junior MD
- one rotating specialist ( France / CH)

# Viral Hepatitis at FVH

- > 100 cases per month
- majority of VHC
- clinical investigations with  
serology, viremia  
ultrasound, some liver biopsy
- limited therapeutic options (costs)

# Liver biopsies at FVH 2003-2005

VHC	51
VHB	15
HCC	29
other	15
Total	110





# Hepatitis B in Vietnam

## Prevalence of HBsAg +

Saigon/Hanoi	9-14%
Binh Dinh (8000)	9.9% (13.8% >20y)
An Giong (1800)	11%
Hanoi post (6911)	13.6%
Hanoi ( 1780 )	14.4%
Rural VN (children)	19.5%

# Hepatitis B infection in rural Vietnam

Thanh Hoa province

D.B. Hipgrave, et al

Am J Trop Med Hyg, 2003

	HBsAg +	(HBeAg +)
536 infants	12.5%	(85%)
228 children	18.4%	(88%)
219 adolescents	20.5%	(71%)
596 adults	18.8%	(30%)

# Hepatitis B vaccination in Vietnam

- all new borns for free
  - at birth in major hospitals
  - at 3 months in local medical centers
  - three doses
- if mother is HBsAg +
  - HB Ig given at birth in major hospitals only
- vaccination for teenagers suggested but at cost
- available vaccines
  - Engerix in big cities
  - and RHBVax in provinces

# FVH – Hepatitis Patient Registry

- enrollment of patients with hepatitis
  - record demographic data
  - complete hepatitis serology
  - evaluate liver biopsy results
- 
- with support from GFMER  
(Geneva Foundation for Medical Research and Education)

# FVH Viral Hepatitis Cohort

## B. Demography

5. Nationality

Vietnamese

Other (specify) :

6. Region of residence

HCMC

Mekong

Other (specify) :

7. Ethnicity

Vietnamese

Khmer

Asian

White

Other (specify) :

# Risk Factors for viral hepatitis

## D. Risk factors for HBV or HCV infection

	no	yes : date	don't know
13. invasive medical procedures	<input type="radio"/>	<input type="radio"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/>
14. blood transfusion	<input type="radio"/>	<input type="radio"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/>
15. HBs Ag positive sexual partner	<input type="radio"/>	<input type="radio"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/>
16. HCV positive sexual partner	<input type="radio"/>	<input type="radio"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/>
17. HBsAg-positive household (mother)	<input type="radio"/>	<input type="radio"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/>
18. anti-HCV-positive household (not sexual partner)	<input type="radio"/>	<input type="radio"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/>
19. iv drug use	<input type="radio"/>	<input type="radio"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/>
20. acupuncture	<input type="radio"/>	<input type="radio"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/>

# Serology

D.

HCV

Genotype

1  2  3  4  5  6

HCV RNA IU/ml

E.

HBV

genotype

A  B  C  D  other

HBsAg

positive  
 negative

HBsAb

positive  
 negative

HBeAg

positive  
 negative

HBeAb

positive  
 negative

HBV DNA

copies/ml

# Liver biopsy

## A. Activity of chronic hepatitis

- Activity
- none
  - minimal
  - mild
  - moderate
  - severe

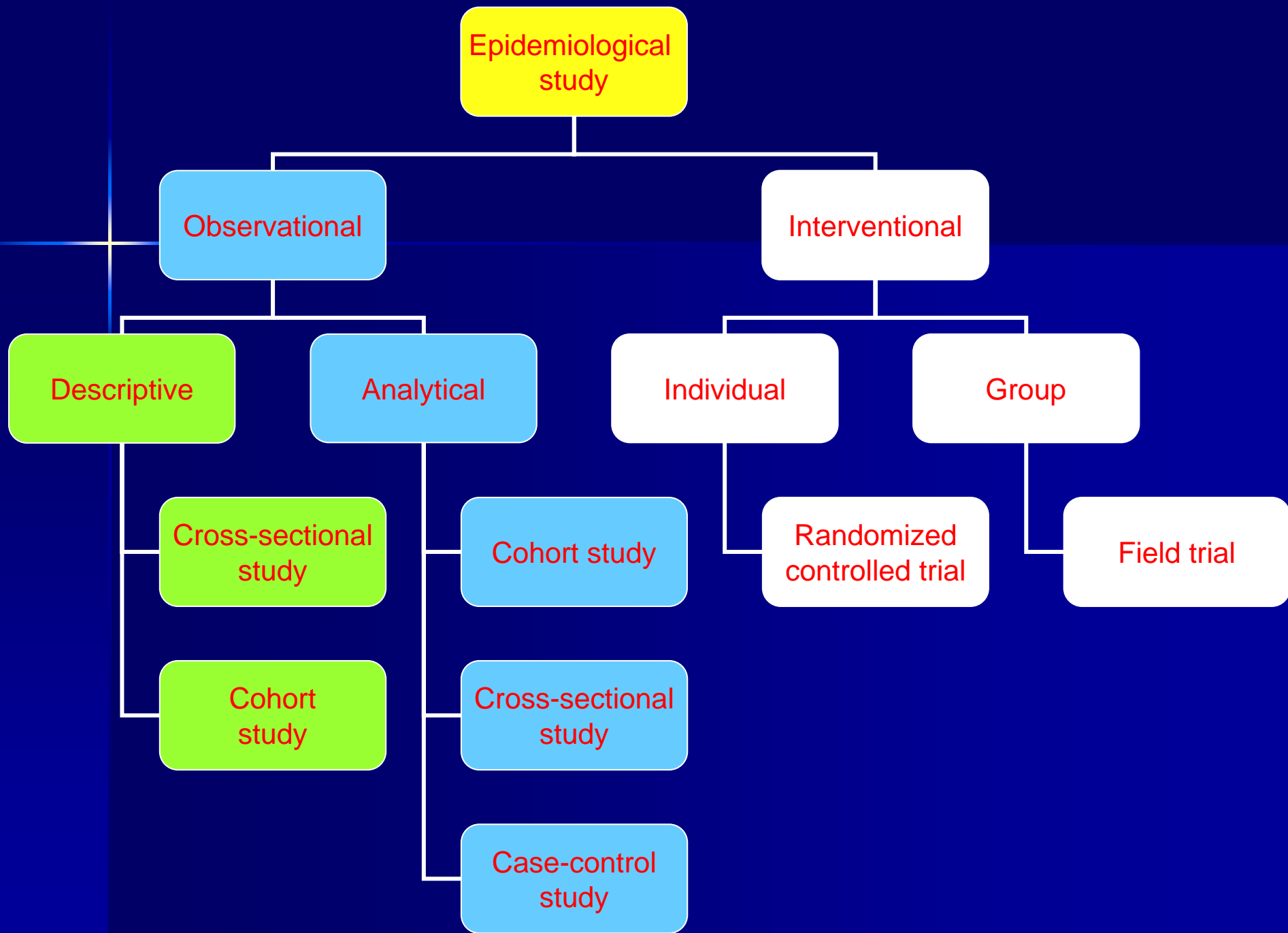
HAI (or Metavir)

## B. Fibrosis

- Fibrosis
- none
  - portal fibrosis
  - portal fibrosis with rare septa
  - bridging fibrosis
  - probable or definite cirrhosis

HAI (or Metavir)





# FValse Educational Program

- courses for health professionals
- prevention of hepatitis transmission
- information for patients
- web site in vietnamese
- guidelines for therapeutic decisions

