

Société Médicale de Beaulieu

Franco Vietnamese Association
for Liver Studies and Education

FValse

8 juin 2006

Dr José Bengoa

Dr Pierre Jean Malè

	Vietnam	Ho Chi Minh City
Pop	81'300'000	> 7'000'000
Rural	80%	
PIB	428 USD	> 1450 USD
Literacy		95%



Epidemiology of Viral Hepatitis

Hepatitis B > 350'000'000

Hepatitis C > 200'000'000

WORLD HEALTH ORGANIZATION REGIONAL OFFICE FOR THE WESTERN PACIFIC

WHO Regional EPI targets: eliminate measles and
control hepatitis B by 2012

With only one third of the world's population, the Western Pacific Region has more than 50% of global deaths due to hepatitis B. The disease claims the lives of about 890 people per day, or 20-22 deaths per 100 000 population.

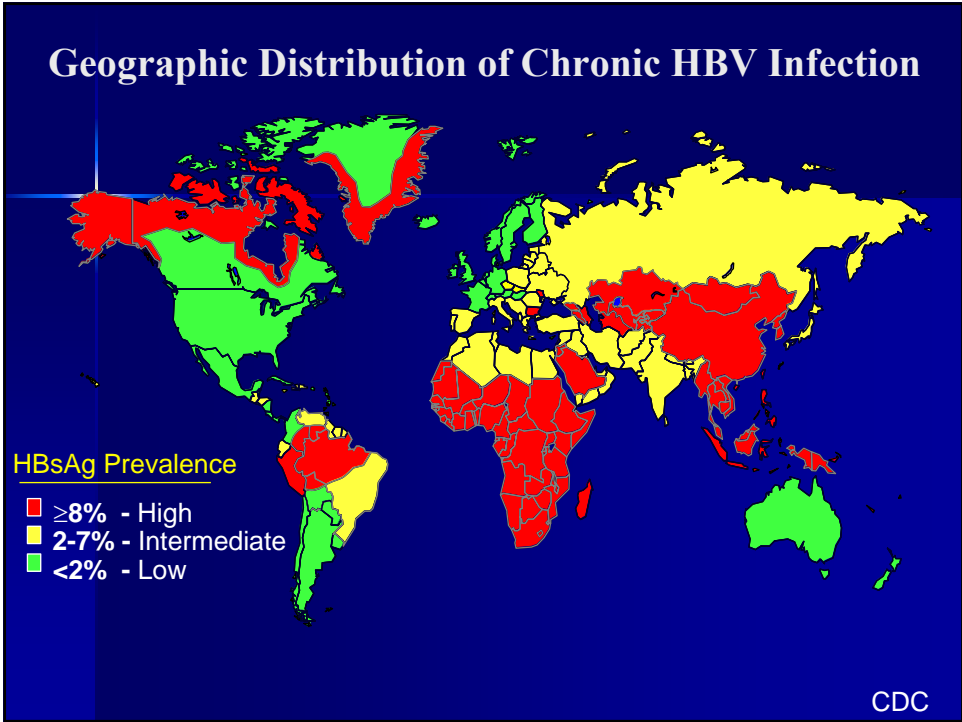
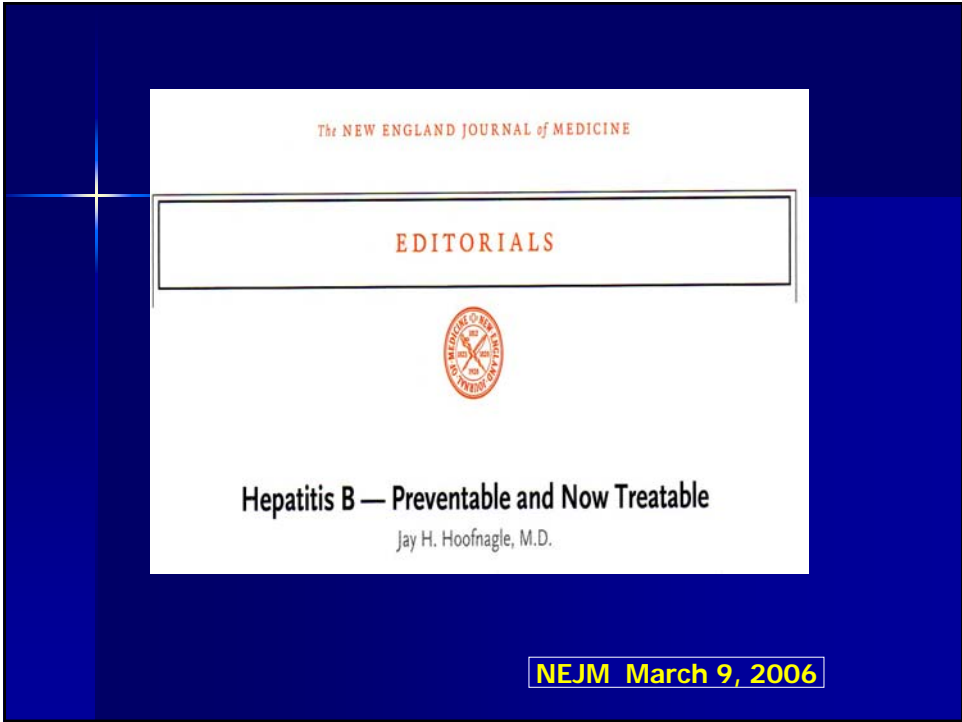
Prevalence of VHB

HBV serologic markers in USA

■ Chinese/SEA	13%
■ drug users	6%
■ homosexual males	6%
■ HIV infected	8%
■ pregnant females	0.4 – 1.5 %

Prevalence of VHC

France	0,85 %	(300'000 RNA+)
Switzerland	~1 %	(~ 50'000)
Europe	1-2 %	(> 5'000'000)
USA	1.8%	(> 4'000'000)
Egypt	10 %	(> 6'000'000)
Vietnam	? > 10 %	? > 8'000'000

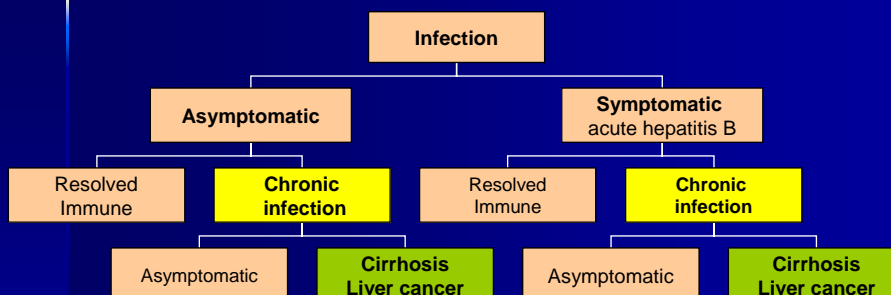


Global Patterns of Chronic HBV Infection

- **High (>8%):** 45% of global population
 - lifetime risk of infection >60%
 - early childhood infections common
- **Intermediate (2%-7%):** 43% of global population
 - lifetime risk of infection 20%-60%
 - infections occur in all age groups
- **Low (<2%):** 12% of global population
 - lifetime risk of infection <20%
 - most infections occur in adult risk groups

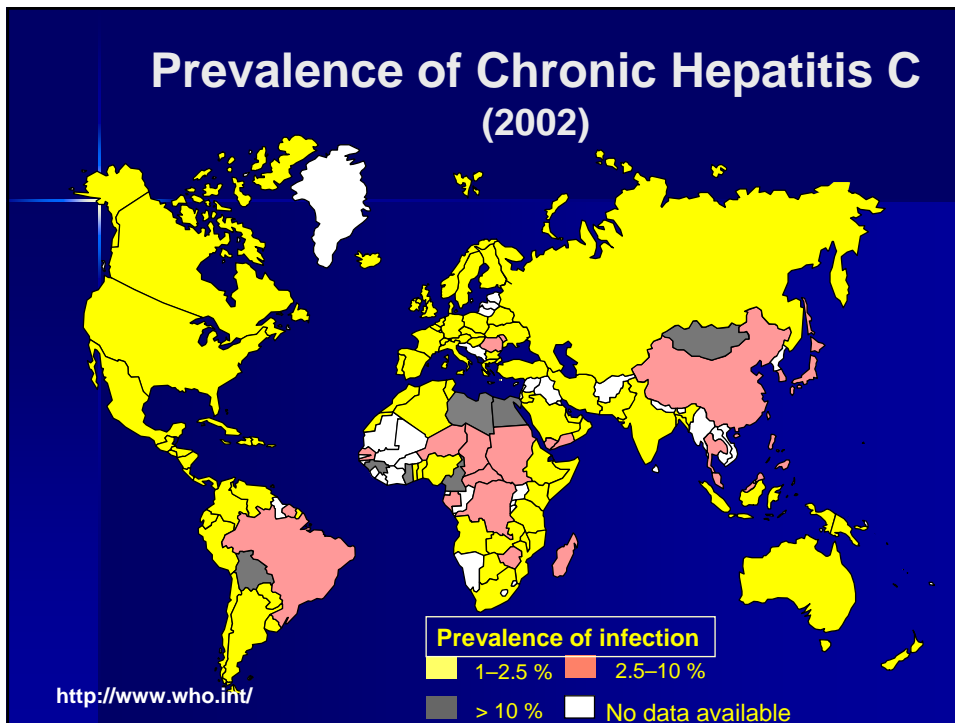
CDC

Outcome of HBV Infection

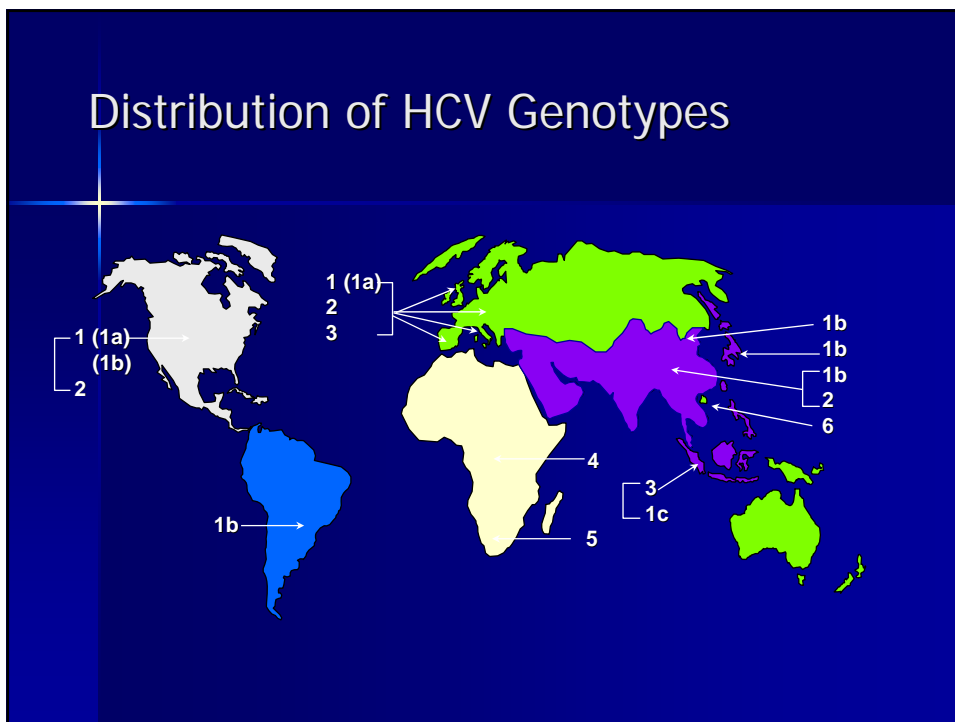


CDC

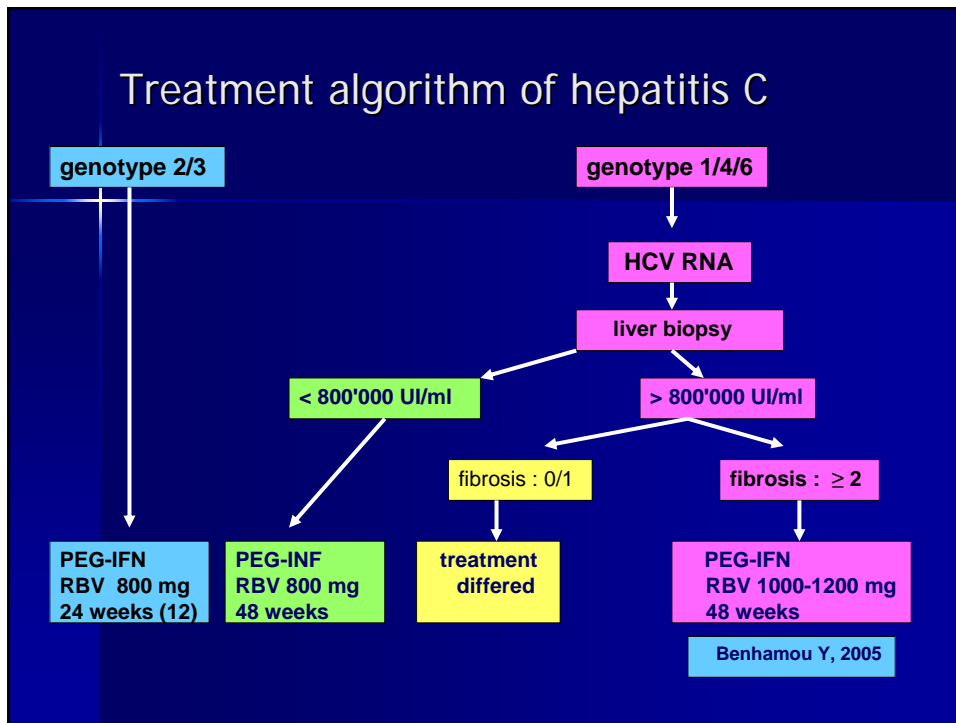
Prevalence of Chronic Hepatitis C (2002)



Distribution of HCV Genotypes



Treatment algorithm of hepatitis C



Hepatocellular Carcinoma in HBV and HCV Positive Patients

Global Epidemiology of Hepatocellular Carcinoma

320,000 - 400,000 deaths are related to HCC/year

CDC



Epidemiology of Hepatocellular Carcinoma

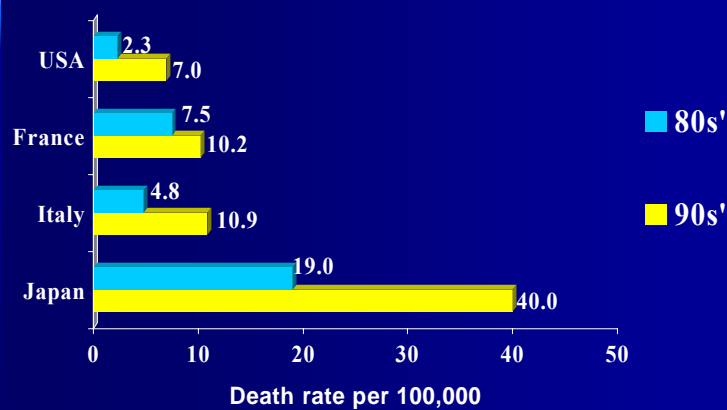
Great variability according to geographic region

- **Hong Kong: 29 deaths / 100'000 population annually**
- Singapore: 24.5 deaths / 100'000 population annually
- Japan: 19 deaths / 100'000 population annually
- Italy: 11 deaths / 100'000 population annually
- **France: 9 deaths / 100'000 population annually**
- Nonwhite Americans: 6 deaths / 100'000 population annually
- Germany: 4 deaths / 100'000 population annually
- Canada: 2.5 deaths / 100'000 population annually
- **White Americans: 2 deaths / 100'000 population**

Higuchi et al., Jpn J Inf Dis, 2002

Hepatocellular Carcinoma Incidence Time Trends

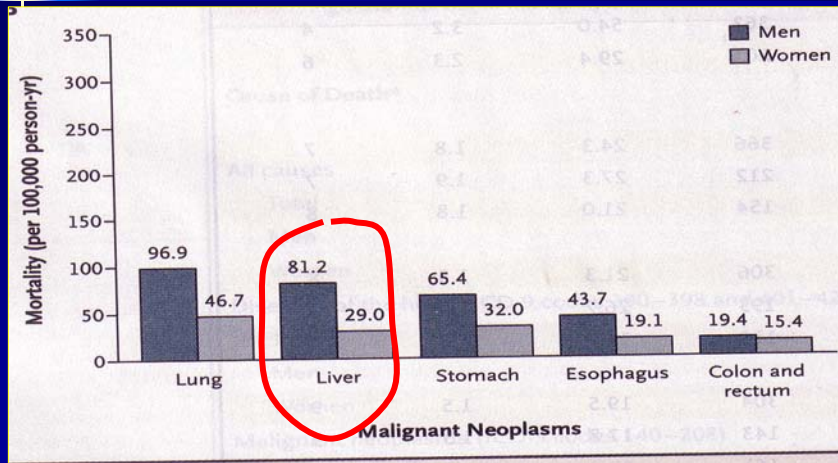
(Age-adjusted rates of death for HCC per 100,000 of population)



H. El Serag and A. Mason, NEJM, 1999
Higuchi et al., Jpn J Inf Dis, 2002

N Engl J Med September 15, 2005

Major Causes of Death among Men and Women in China



Jiang He et al, 2005

Hepatitis B in Vietnam

Prevalence of HBsAg +

Saigon/Hanoi	9-14 %
Binh Dinh (8000)	9.9 %
An Giong (1800)	11 %
Hanoi post (6911)	13.6 %
Hanoi (1780)	14.4 %
Rural VN (children)	19.5 %
average	14%
(published studies 1995-2003)	

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%)

Viral Hepatitis at FVH

- > 100 cases per month
- clinical investigations with serology, viremia, genotype, ultrasound
a minority have a liver biopsy
- 170 liver biopsies in 3 years
- limited therapeutic options (costs)

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Objectives

- organise courses for health workers
- provide written information for patients
- develop a web site in vietnamese
- introduce guidelines for therapy
- set up epidemiologic and clinical studies

FVH – Hepatitis Patient Cohort

- enroll patients positive VHB and VHC
- obtain demographic data
- complete viral hepatitis serology
- evaluate liver biopsy results
- introduce non invasive fibrosis scores
- program developed with GFMER

Geneva Foundation Medical Research and Education

FV Hepatitis data base

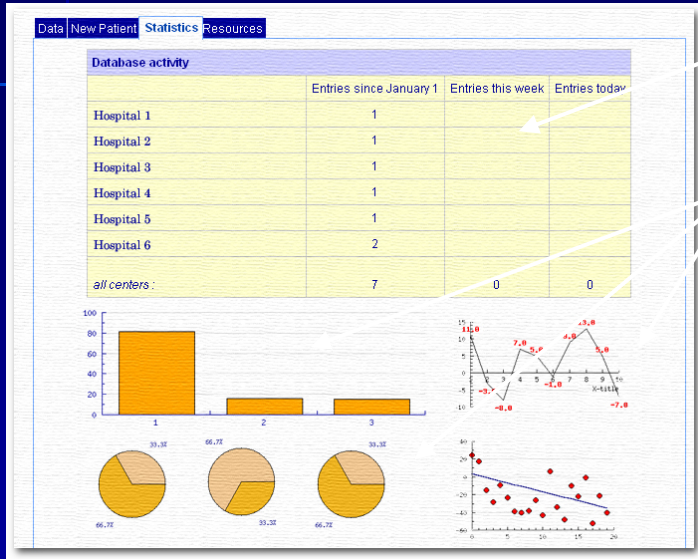
- There are 4 data collection forms
 - Enrollment, Liver Biopsy, Laboratory tests, and Liver Scores
 - Click on the tabs to switch between the different forms
- Inside each form are fields for collecting data
 - BOXES hold text or numbers
 - CHECK-CIRCLES can be clicked to make choices between multiple values

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"/>

Looking at your statistics



Tabular statistics show the activity of the data coming into the database

Statistical calculations are determined using the most recent version of the data stored in the database.

Bio Predictive

FibroTest - ActiTest

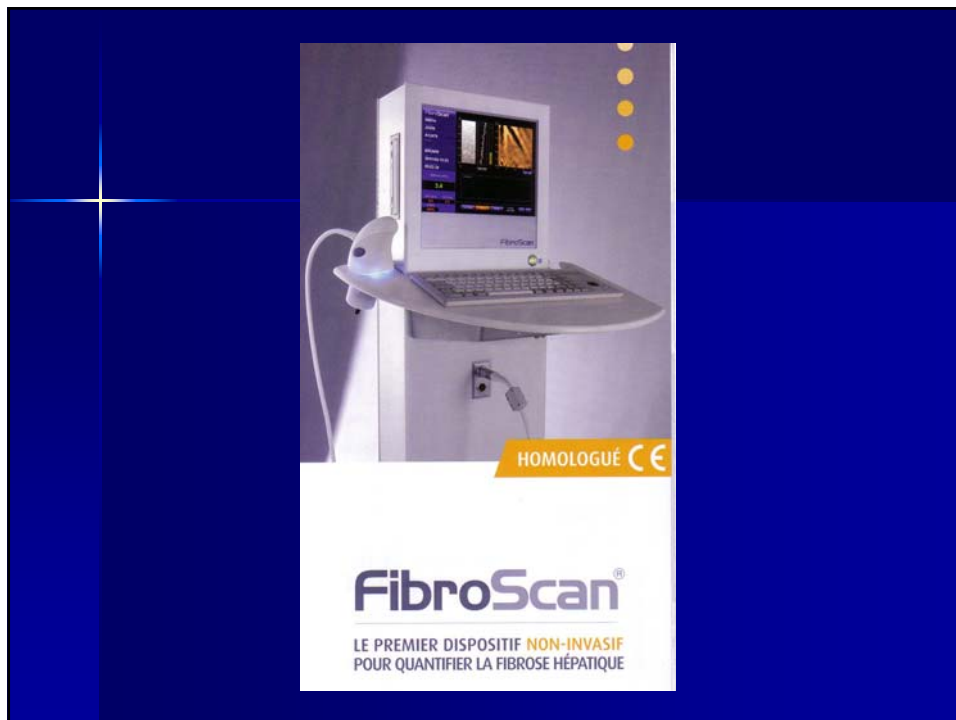
A NON-INVASIVE ALTERNATIVE TO LIVER BIOPSY IS NOW POSSIBLE WITH

www.biols.fr

FibroMètres

Tests diagnostiques sanguins de fibrose hépatique

www.biols.fr



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Imagine

Terre des Hommes

Department of Reproductive Health and
Research

**WORLD HEALTH ORGANIZATION
A MULTICENTRE STUDY TO PREVENT
MOTHER TO CHILD TRANSMISSION OF
HEPATITIS B**

Geneva, 21 December 2005

WHO Headquarters

Room X 7

**Cours sur les Hépatites Virales à l'OMS
pour des médecins du tiers monde**
15/03/2006



**Cours sur les hépatites à l'Hôpital Franco
Vietnamien de Saïgon** avril 2006



Cours sur l' Hépatite B au FVH avril 2006



Présentation de FValse aux médecins du FVH

avril 2006





Viêm Gan B và Viêm Gan C

Hôm nay người Việt Nam cảm ơn
các bác sĩ Thụy Sĩ nhiều lắm !

Hen gặp lại các bạn !

