

Dr Vikrant Sibartie

MRCP (Ireland), CSCST

Consultant Internal Medicine and Gastroenterology

Apollo Bramwell Hospital

**Recent Developments in
Gastroenterology and Liver
Disease**

New in Gastroenterology or New in
Mauritius ?

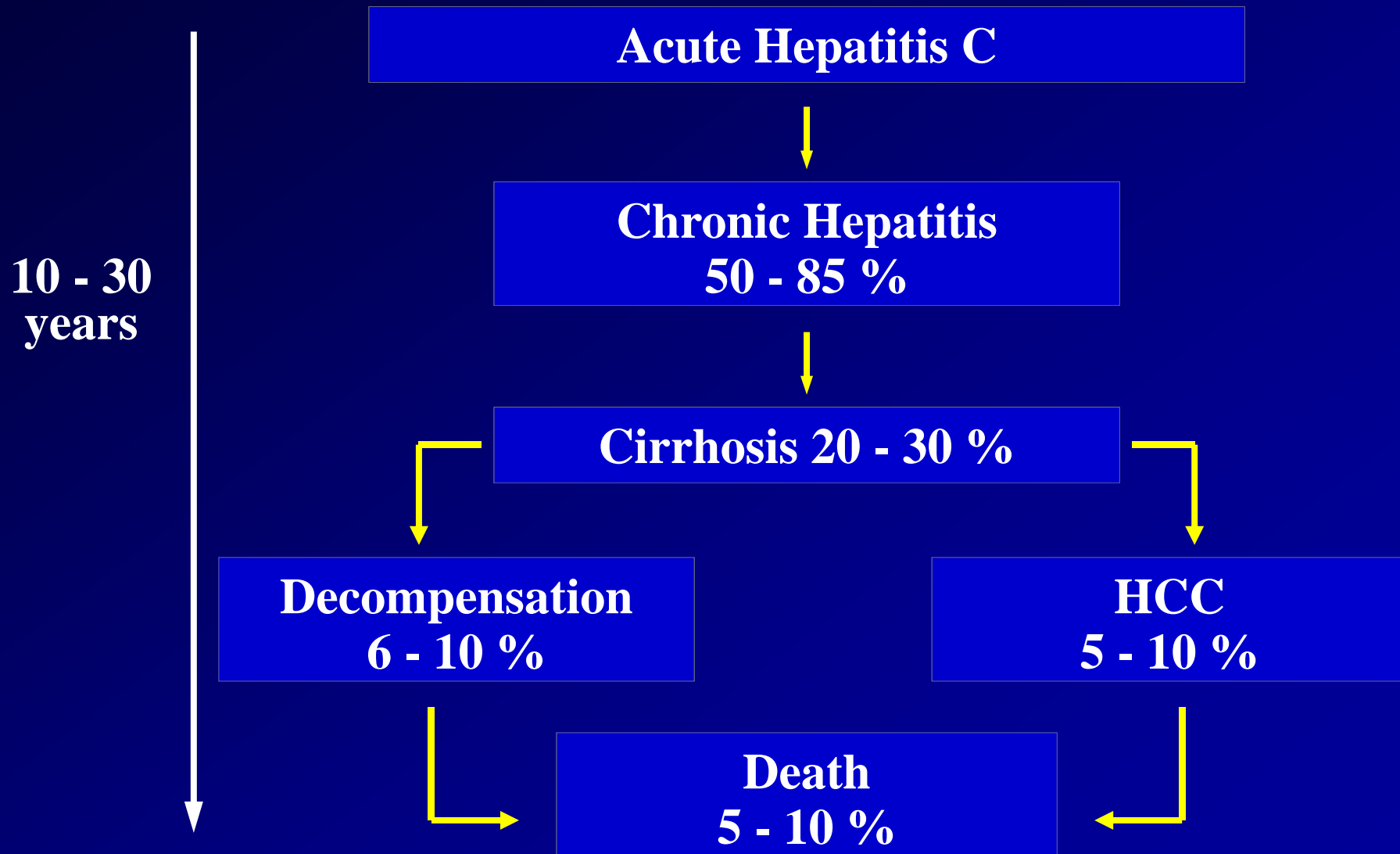
What's new and relevant to practice in Mauritius?

- Viral Hepatitis B and C.
- Endoscopic management of Gastro Intestinal disease

CHRONIC HEPATITIS C: CURRENT TREATMENT

WHY TREAT CHRONIC HEPATITIS C?

Natural History of Hepatitis C



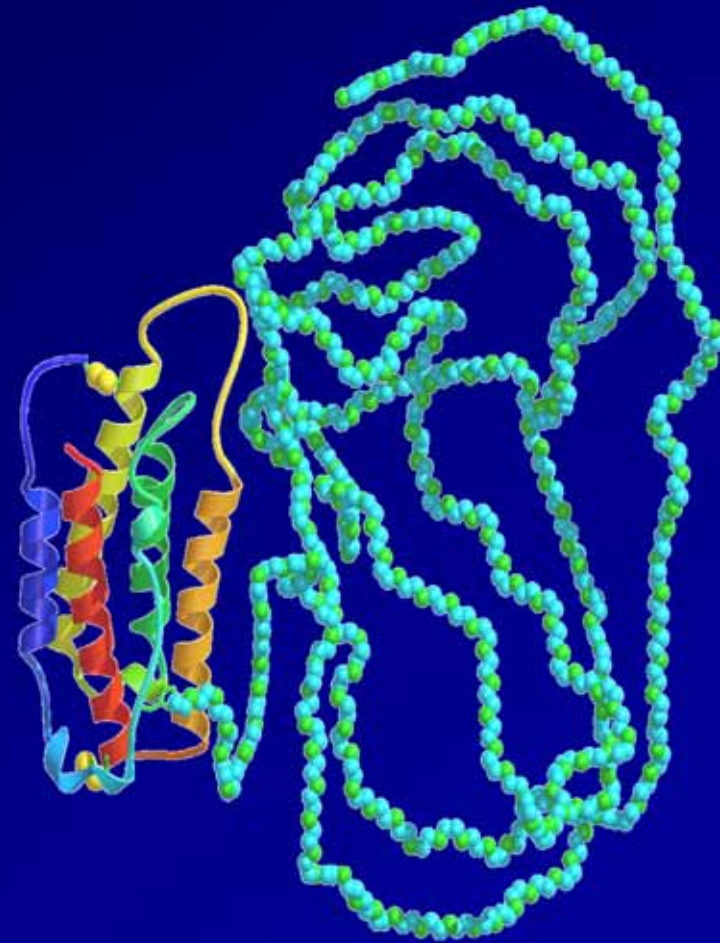
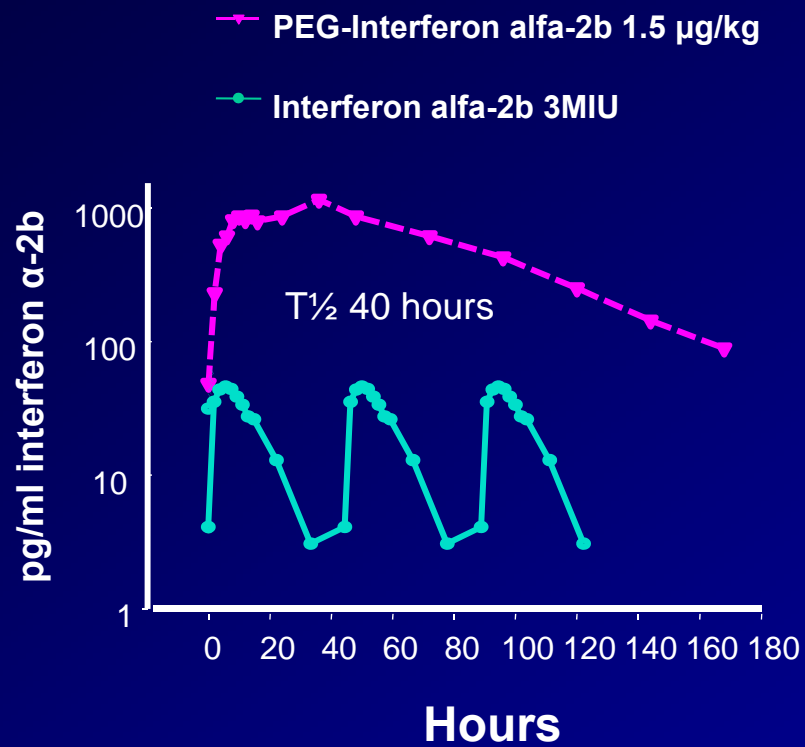
Aim of Hepatitis C Treatment

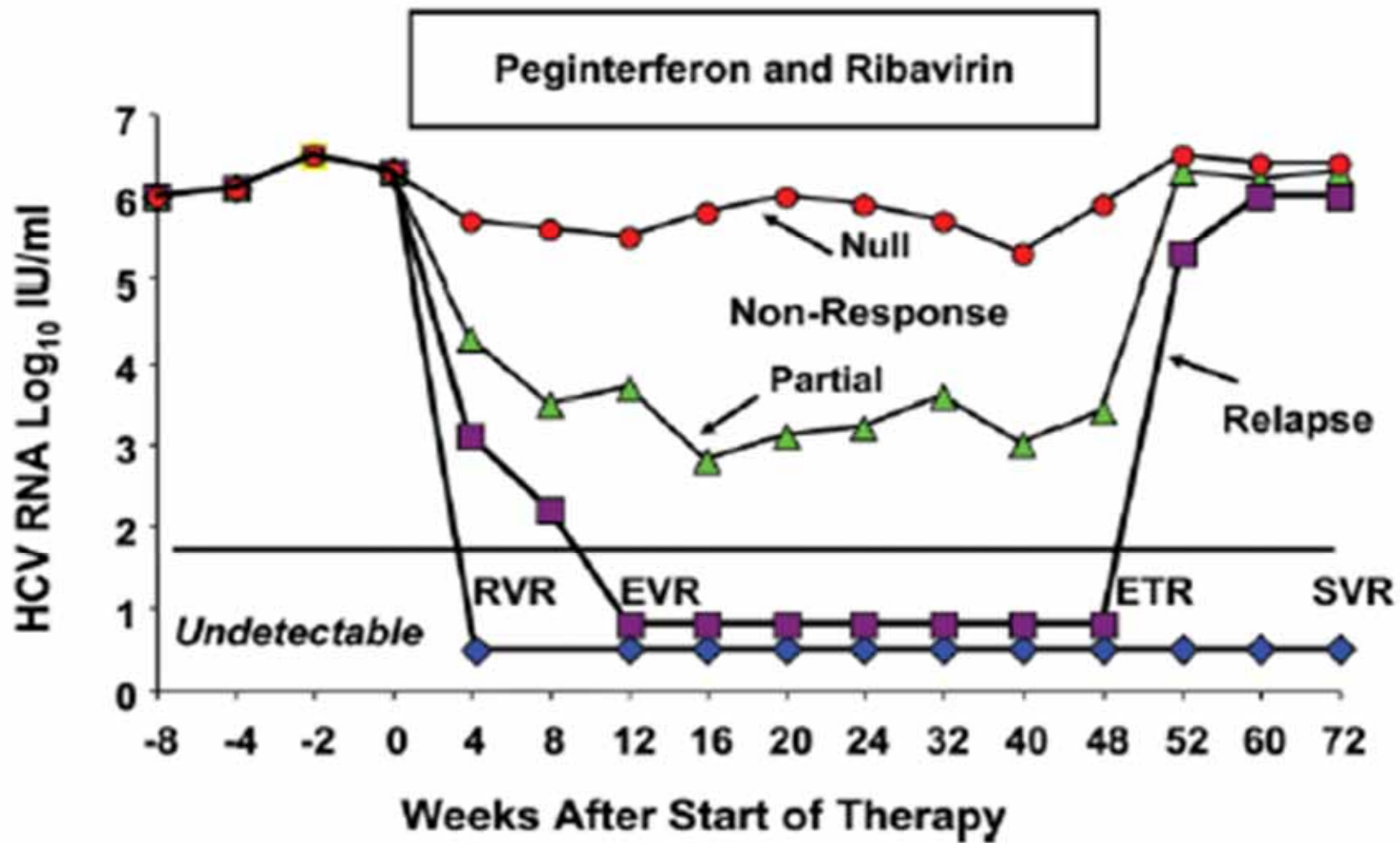
- Achieve complete eradication of the Hep C virus
- i.e. Undetectable levels of Hep C RNA levels (using PCR)
- Clinical practice: Achieve a Sustained Virological Response (SVR)
- **SVR: Undetectable Hep C viral loads 6 months post treatment. Predictor of long-term response**

- SVR = Cure from Hepatitis C

PEG- INTERFERON

The PEG-Interferon molecule



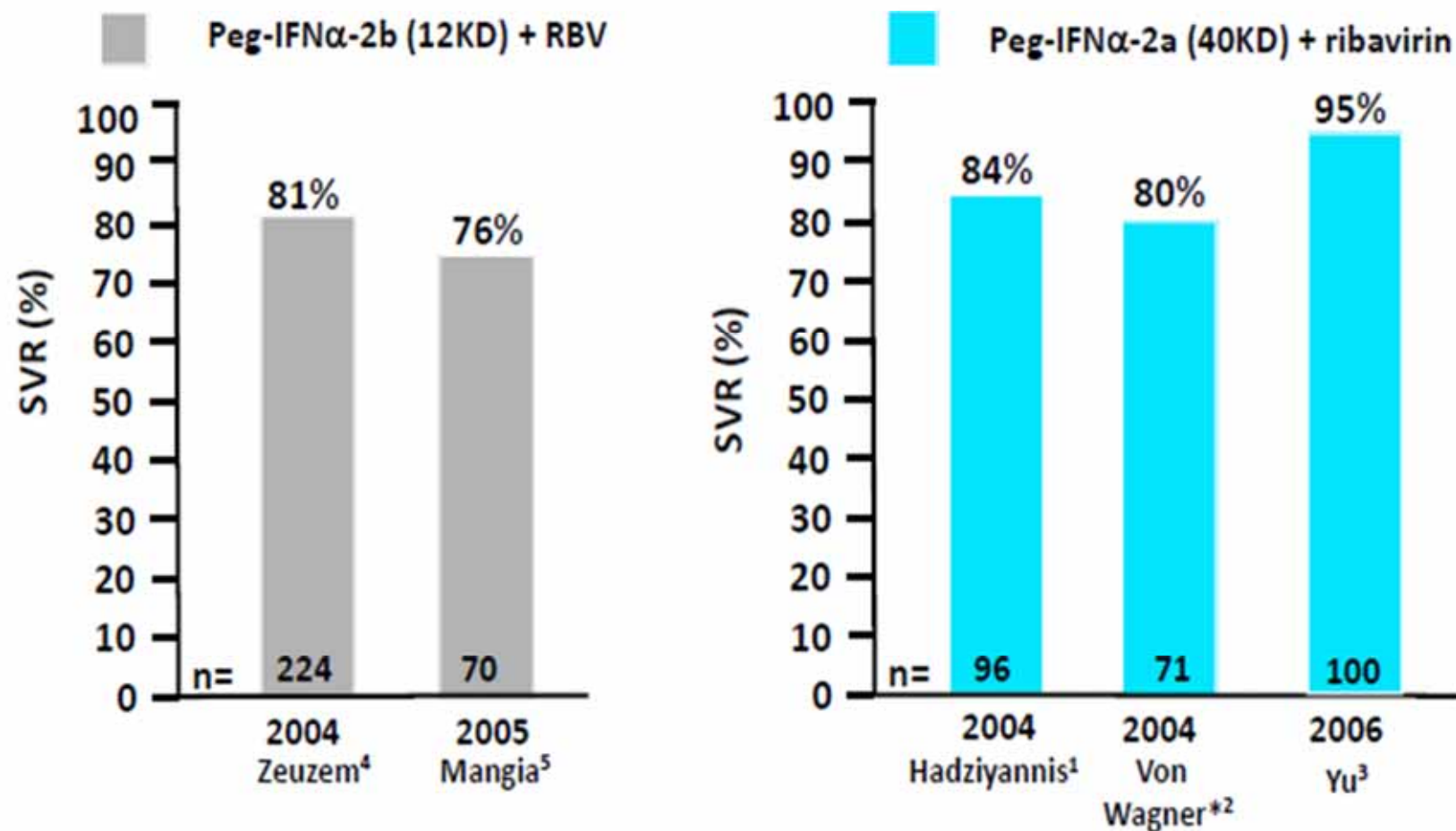


Hep C Virus Genotypes

- Genotypes 1,2,3 and 4
- Genotype 1 most common in Mauritius, mainly in the IV Drug User (IVDU) community.
- More than 95% of IVDU in Mauritius are Hep C Positive !!!

Peg IFN alpha plus ribavirin : SVR rate of >80% in genotype 2/3

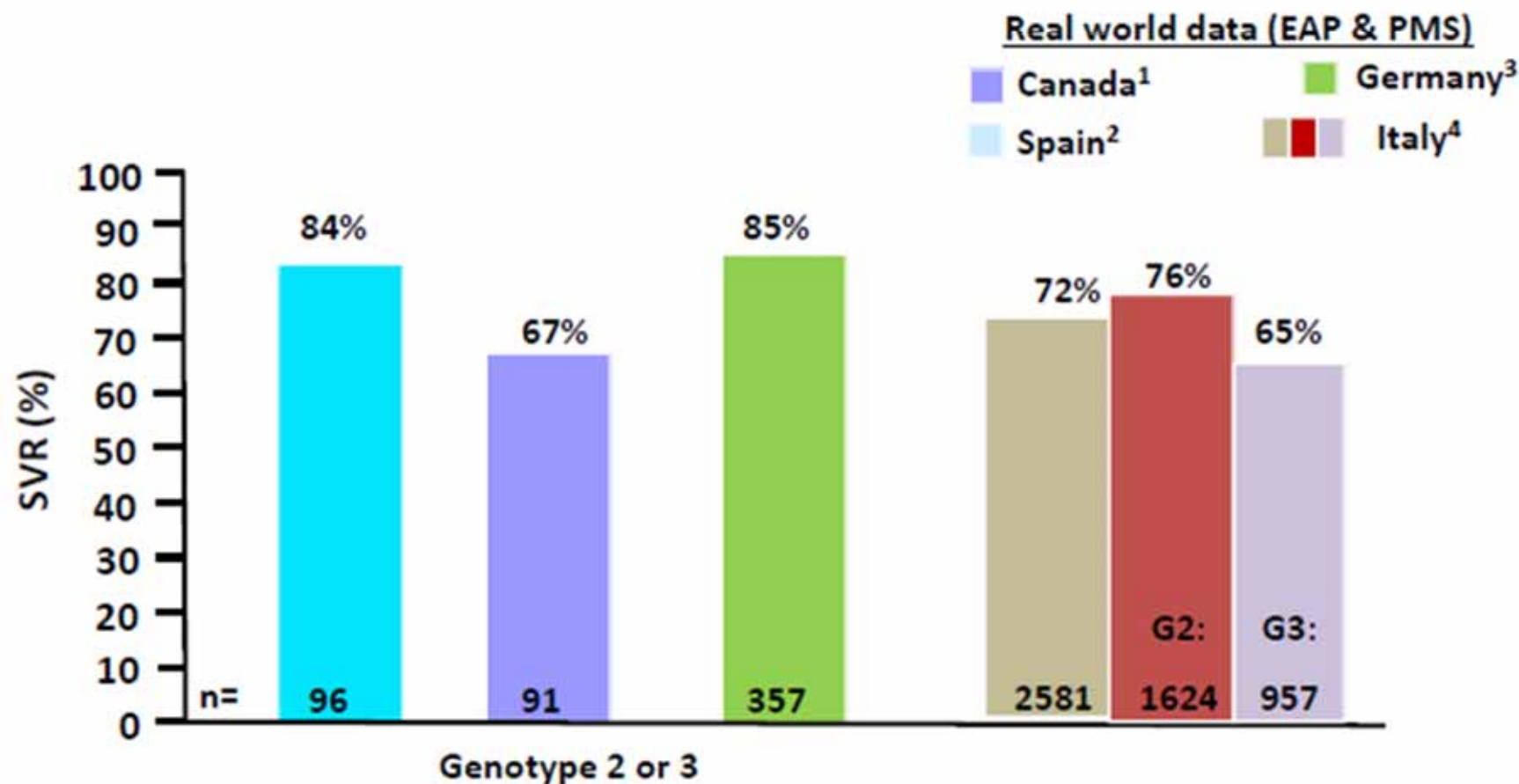
24-week treatment duration



*Patients had undetectable HCV RNA at week 4

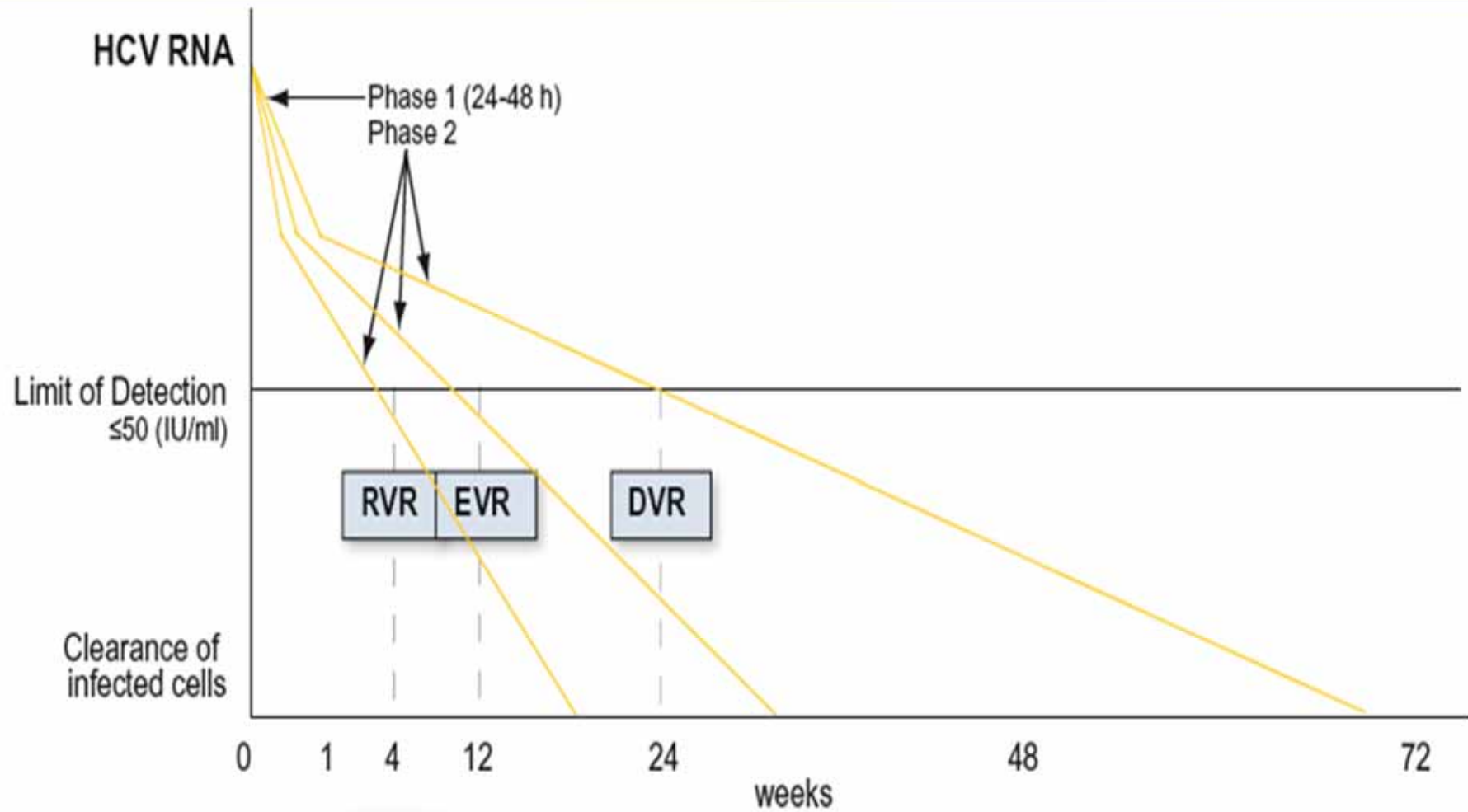
1. Hadziyannis S, et al. *Ann Intern Med* 2004; 140: 346
 2. Von Wagner M, et al. *Gastroenterology* 2005; 129: 522 3. Yu M-L, et al. *Gut* 2007; 56: 553
 4. Zeuzem S, et al. *J Hepatol* 2004; 40: 993 5. Manaia A, et al. *N Engl J Med* 2005; 352: 2609

Peg IFN plus ribavirin : SVR rates of pivotal trials are reproduced in real-life studies



1. Deschênes M, et al. 42nd EASL 2007; Abstract 615 (Poster)
2. Diago M, et al. 41st EASL 2006; Abstract 567
3. Zehnter E, et al. 56th AASLD 2005; Abstract 1233
4. PROBE study, Roche data on file, manuscript in preparation

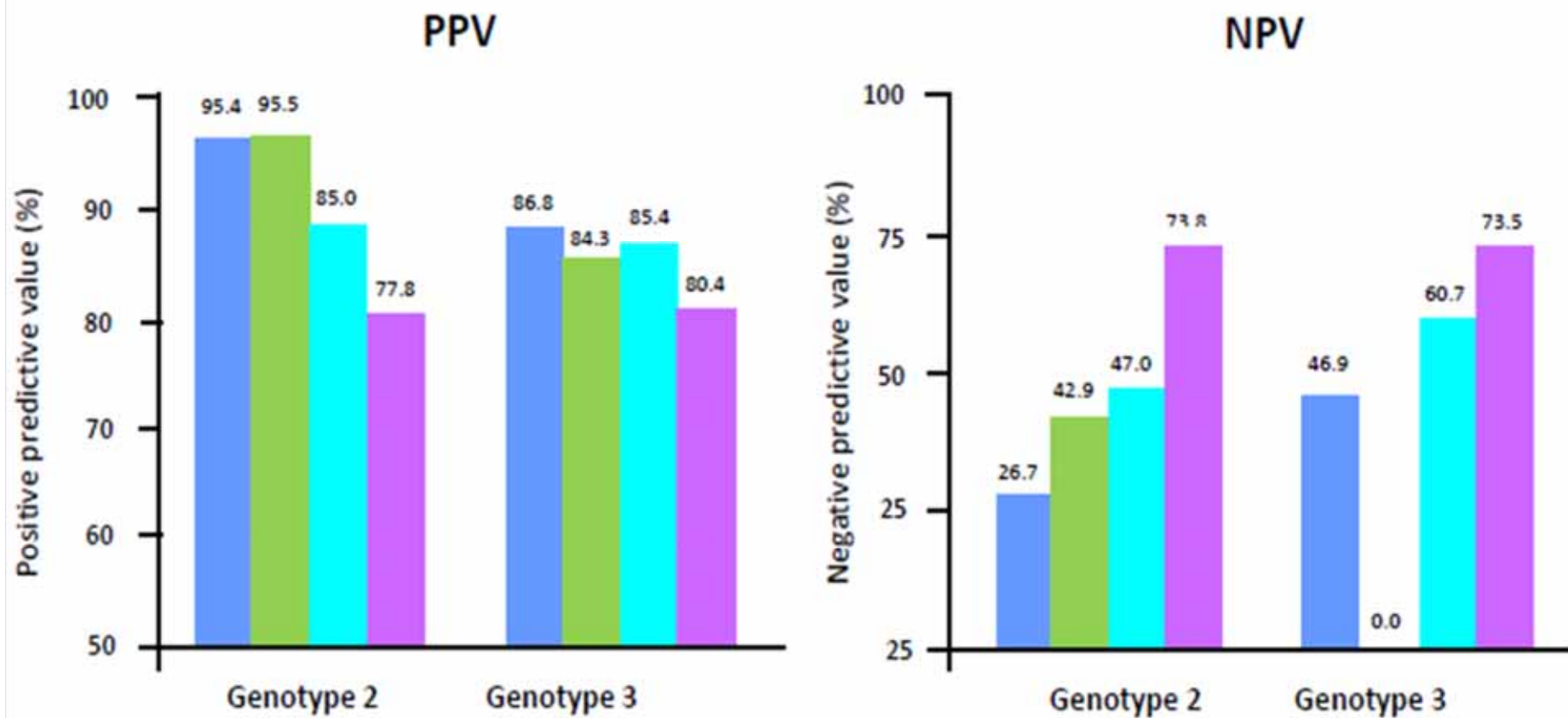
Likelihood of Sustained Virological Response (SVR) after first few weeks



Likelihood of SVR

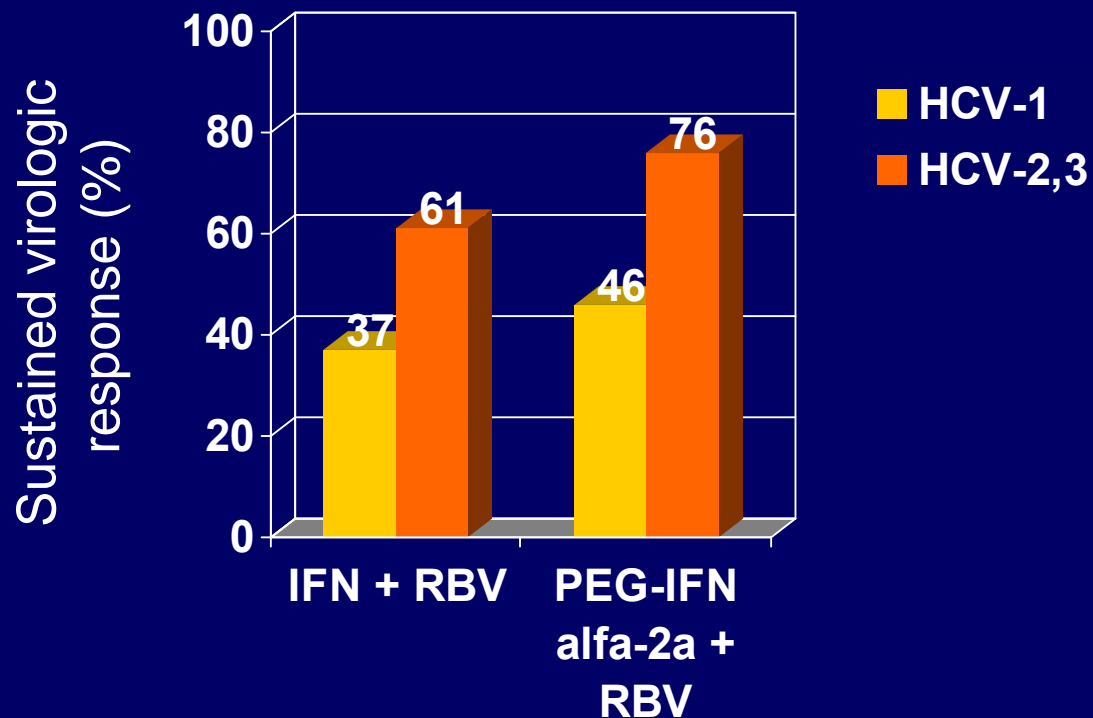
The role of RVR in choosing treatment duration for HCV G2 and G3

- 24-week WBD RBV
- 14-16-week WBD RBV
- 24-week FD RBV
- 14-16-week FD RBV

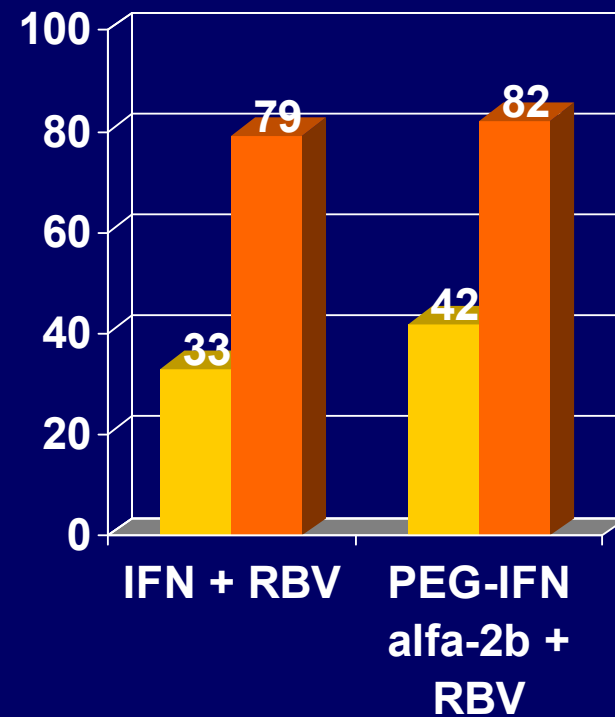


**WHAT ABOUT HEP C
GENOTYPE 1?**

Peginterferon alfa-2a/2b + Ribavirin for treatment of Hepatitis C Gen 1

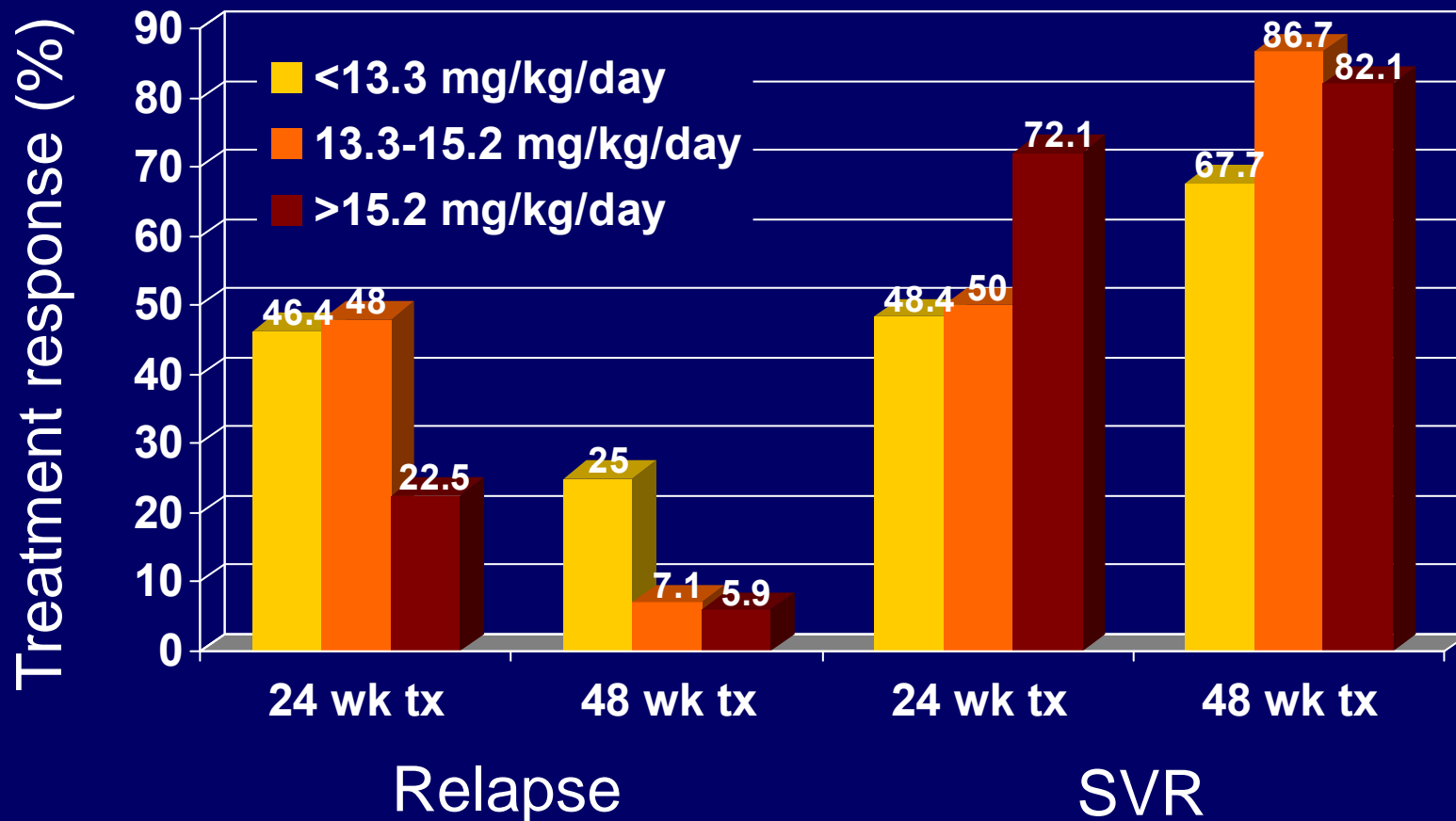


Fried et al., *N Engl J Med* 2002;
347:975-982



Manns et al., *Lancet* 2001;
358:958-965

Weight-based exposure of ribavirin and treatment response

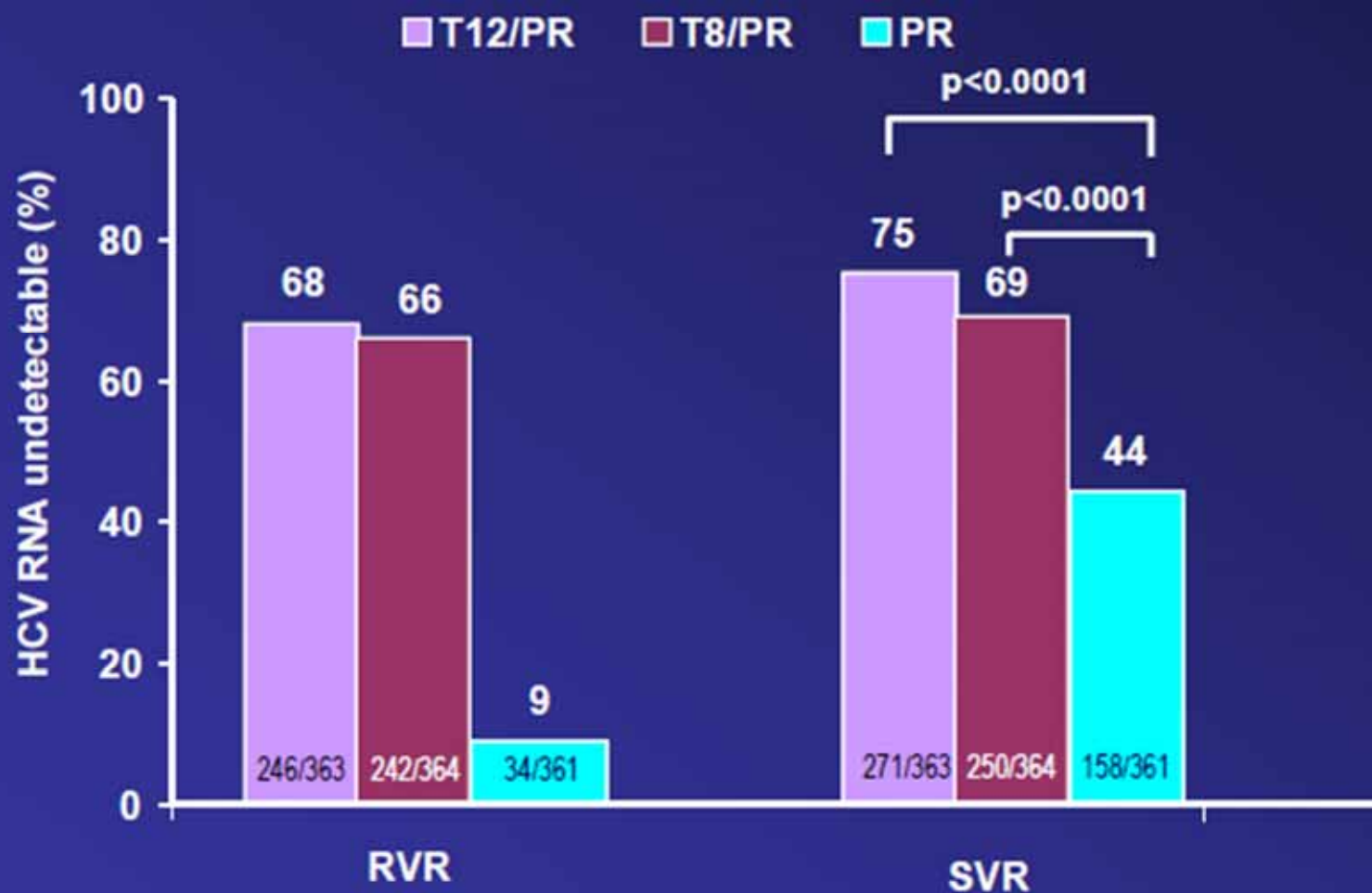


THE FUTURE FOR HEP C GENOTYPE 1

The Protease inhibitors: Triple Therapy

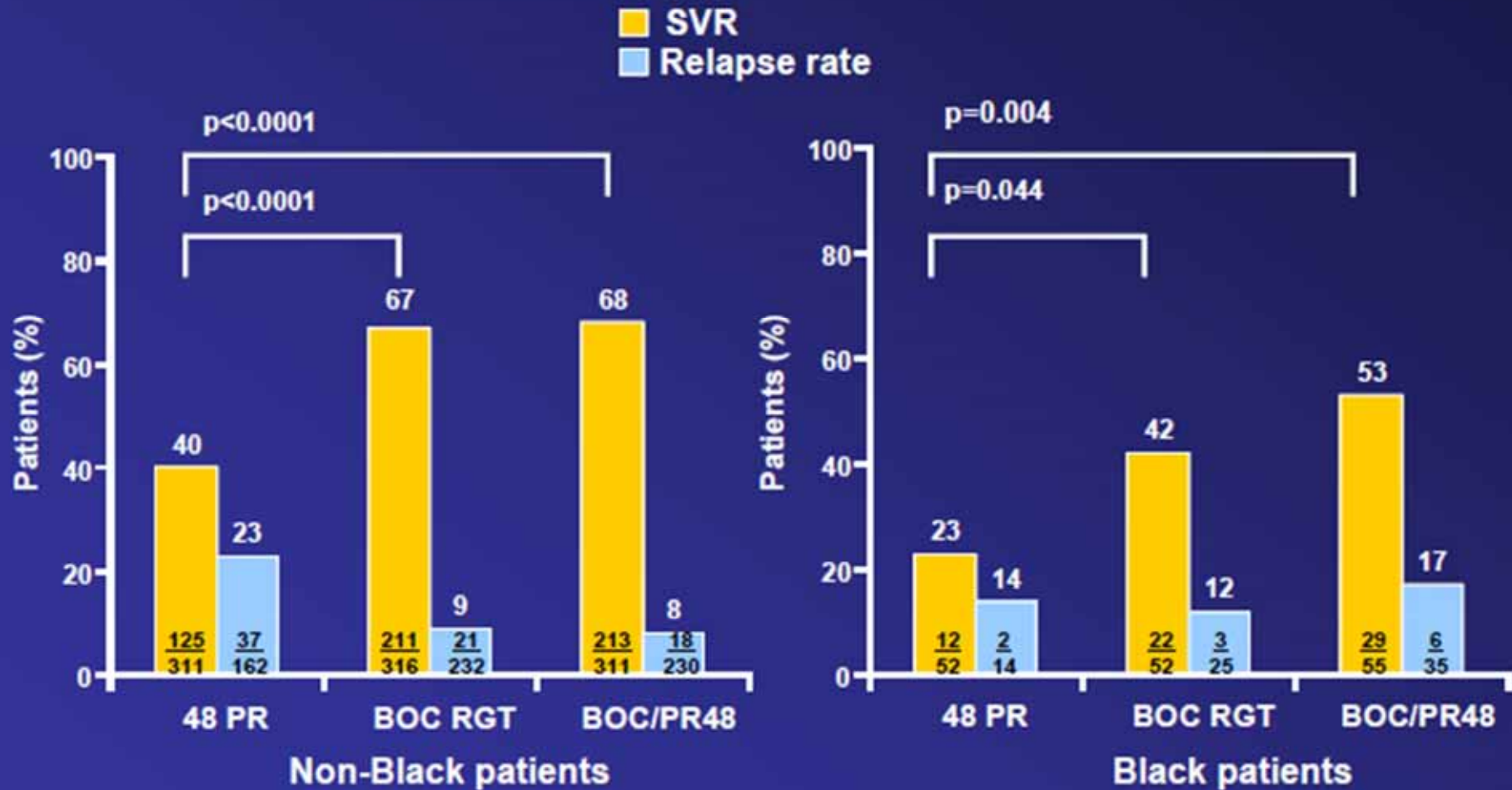
- Telaprevir
- Boceprevir

ADVANCE: higher RVR and SVR rates with telaprevir



Addition of Boceprevir to IFN Alpha and Ribavirin

SPRINT-2: SVR and relapse rates (ITT)



Chronic Hepatitis C : Conclusions

- **Hepatitis C is a treatable disease in 2011.**

Chronic Hepatitis C: Conclusions

- With evidence of significant liver disease, or patient preference for early treatment, treatment **MUST** be offered....



ENDOSCOPIC MANAGEMENT OF GI DISEASES

- Upper Gastro-Intestinal Bleeding**
- Endoscopic stenting of obstructing tumours**

Endoscopic clips (Hemoclips)



ID. NO:
SEX: AGE:
D. O. BIRTH:

15/07/02
19:43:20

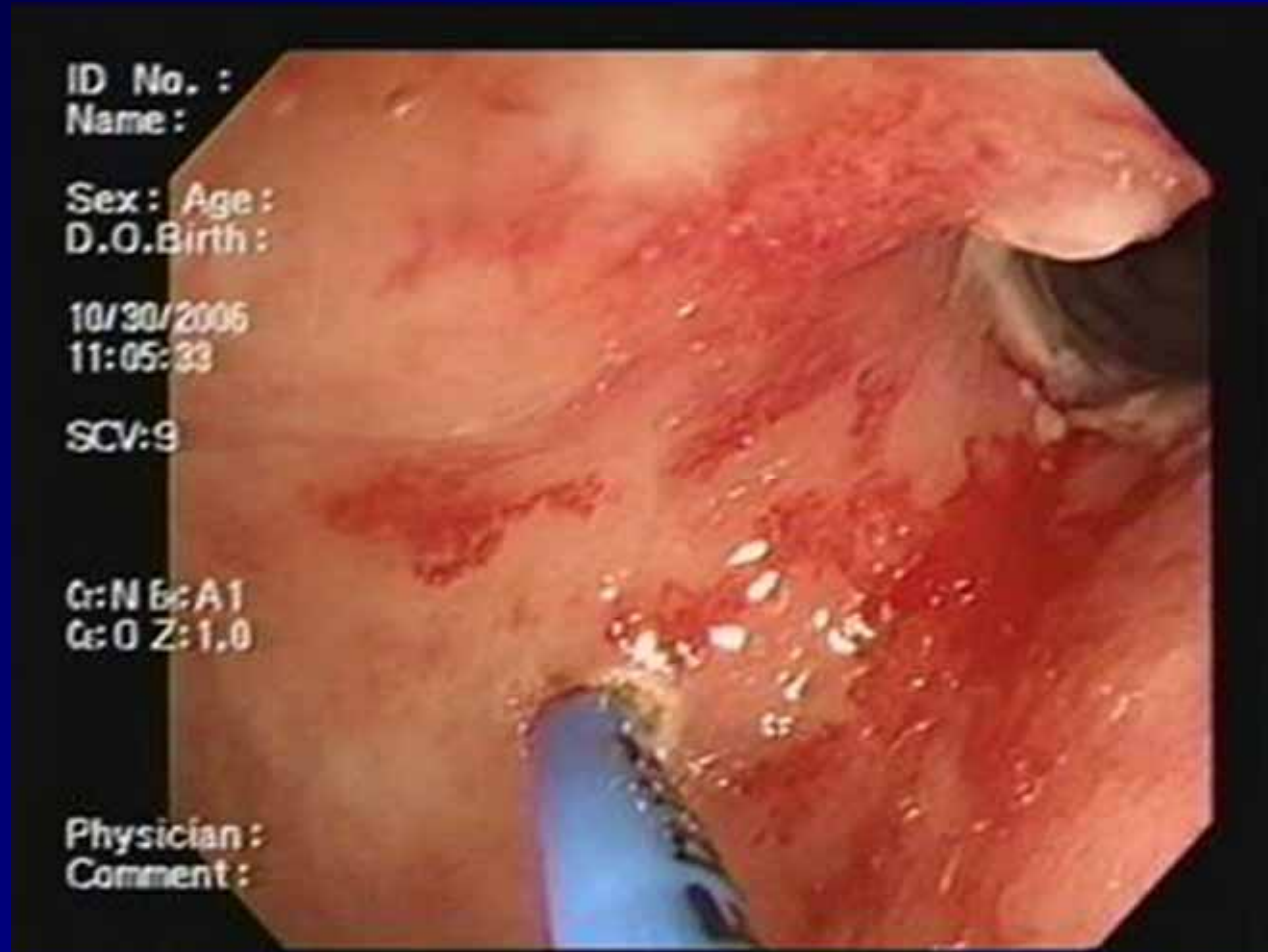
NAME:

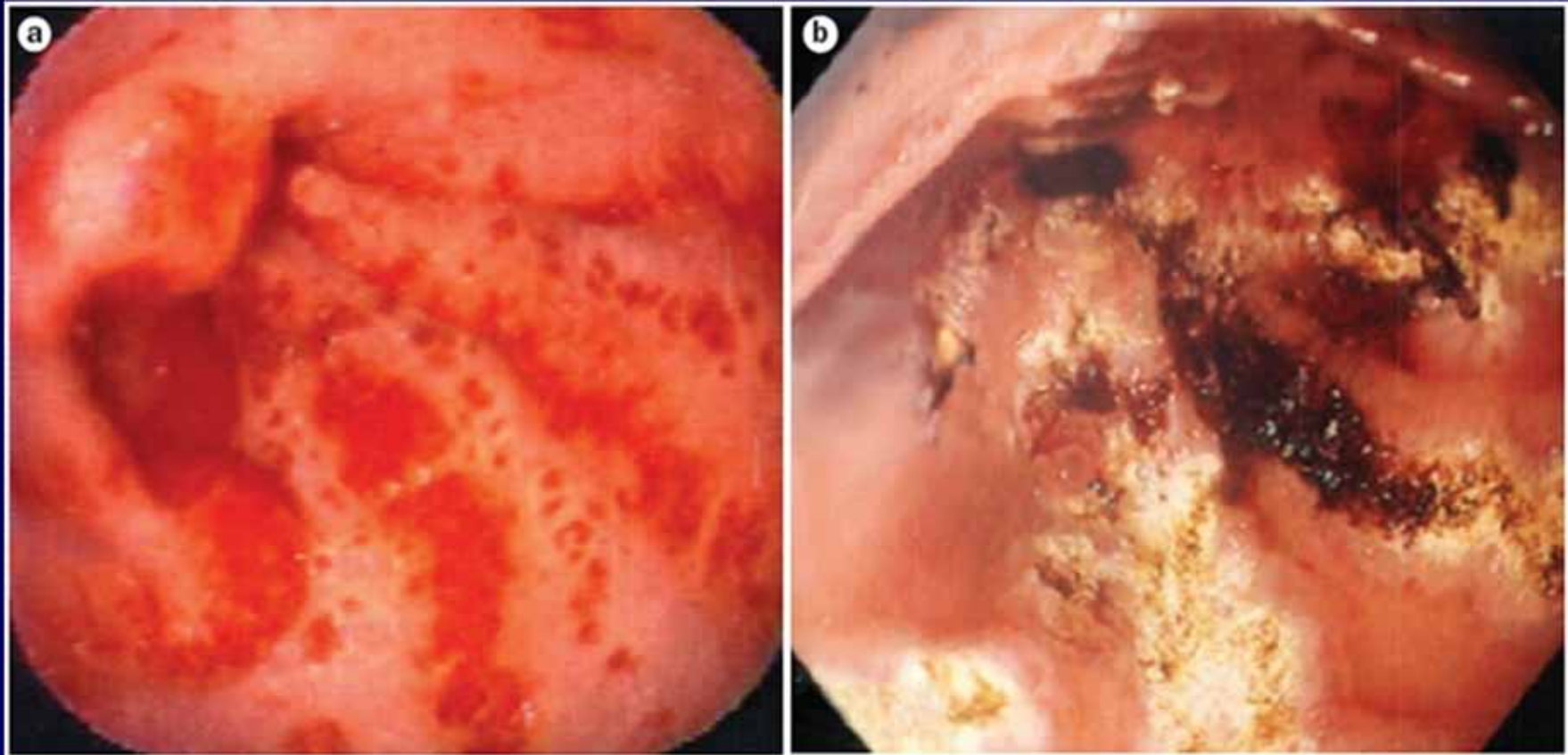


COMMENT:



Argon Plasma Coagulation

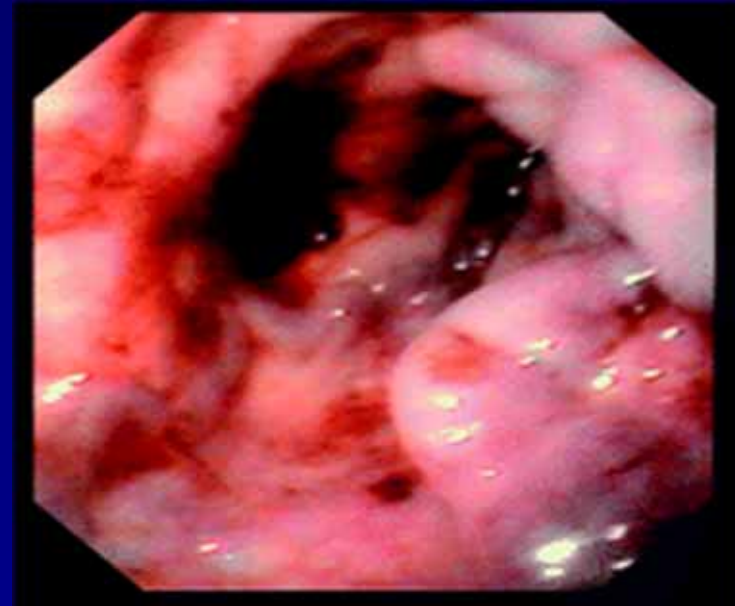




Medscape

Source: Nat Rev Gastroenterol Hepatol © 2010 Nature Publishing Group

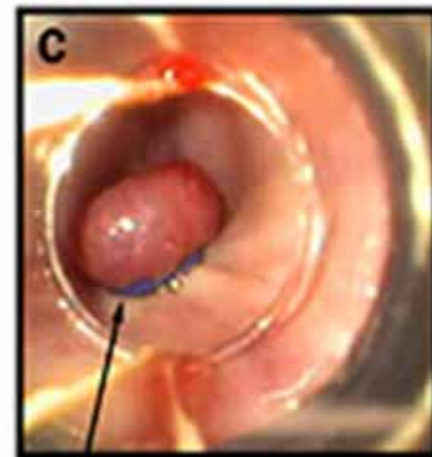
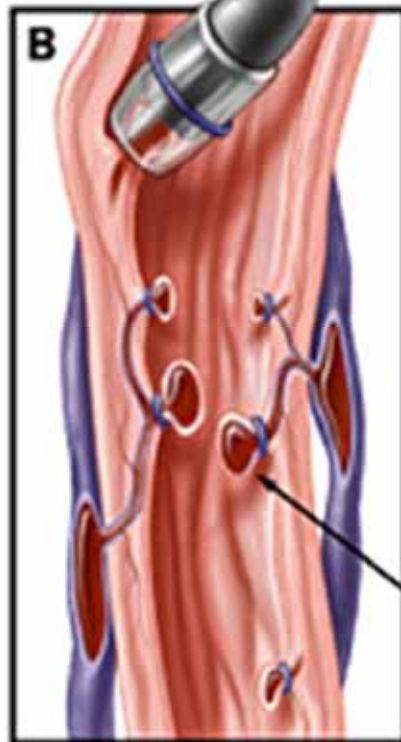
Bleeding Oesophageal varices



A Rubber Band Ligation System[®]



Scope



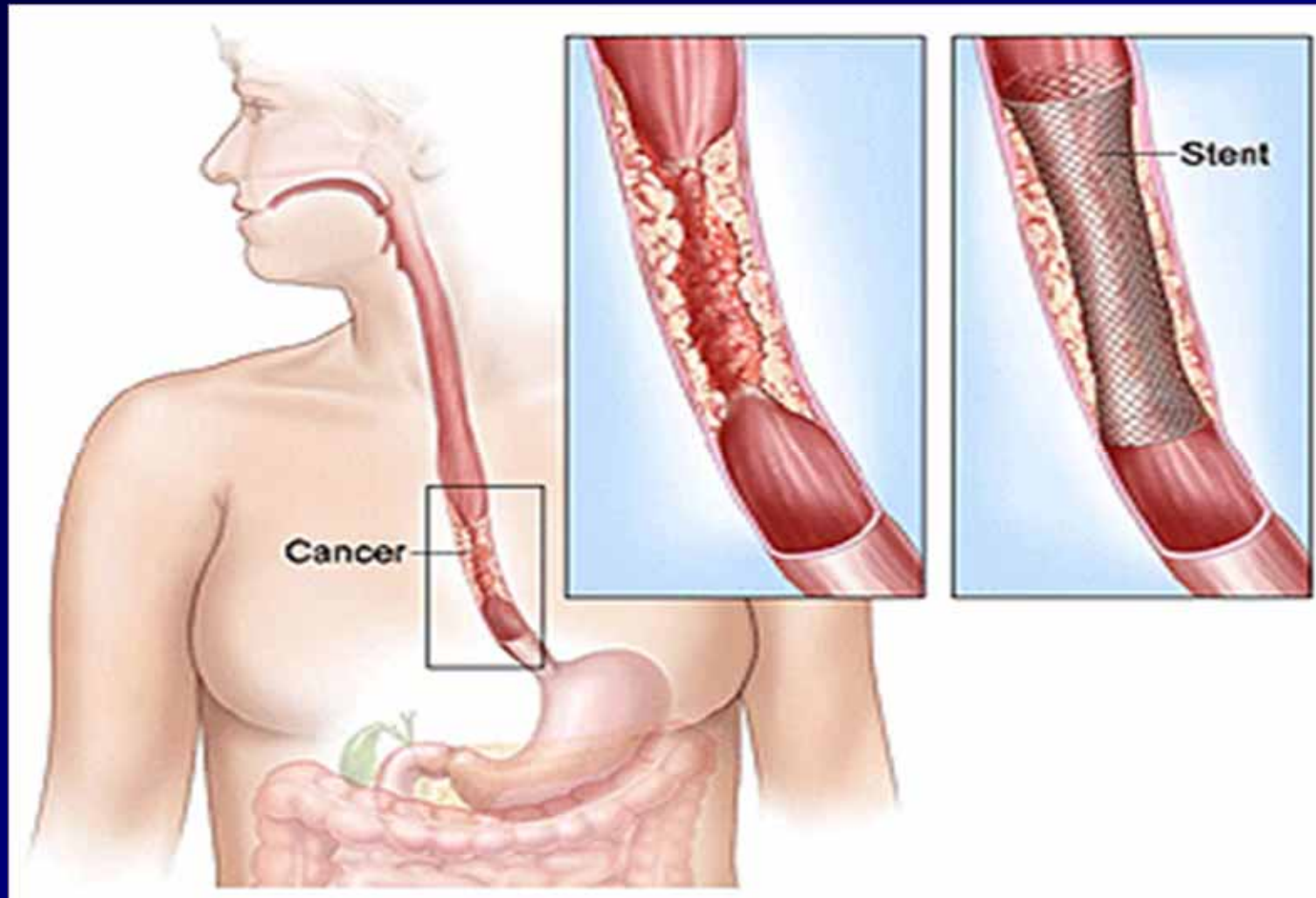
Banded varices

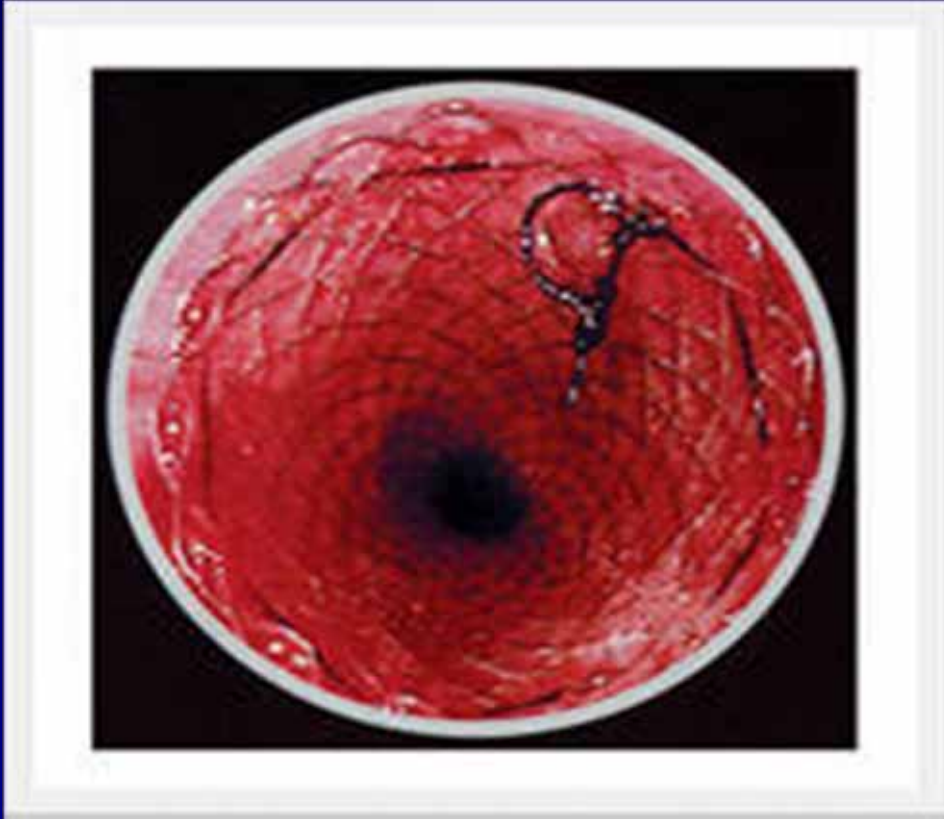
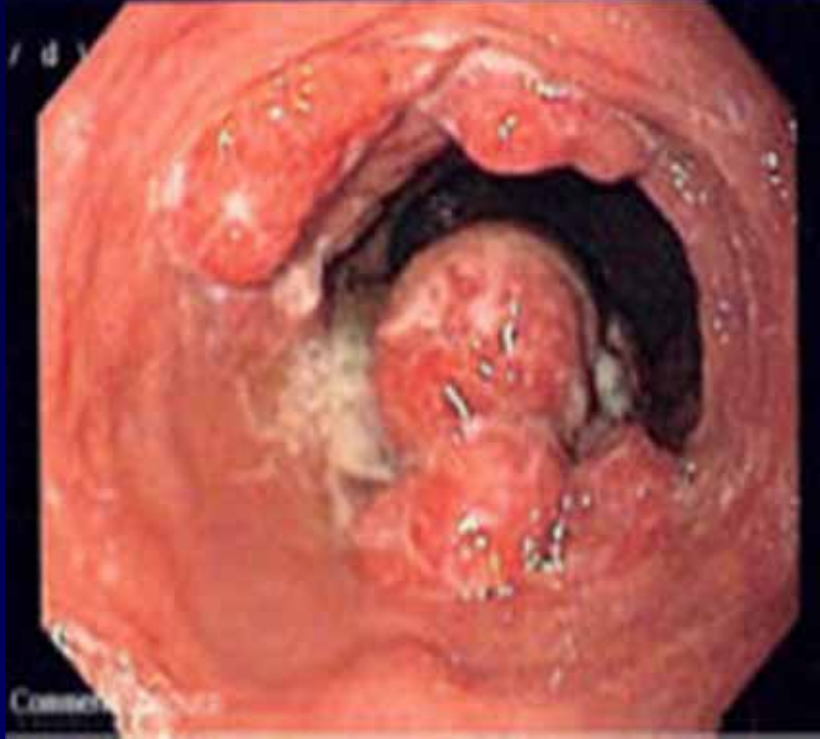




ENDOSCOPIC STENTING OF GASTROINTESTINAL TUMOURS

Obstructive Oesophageal cancer

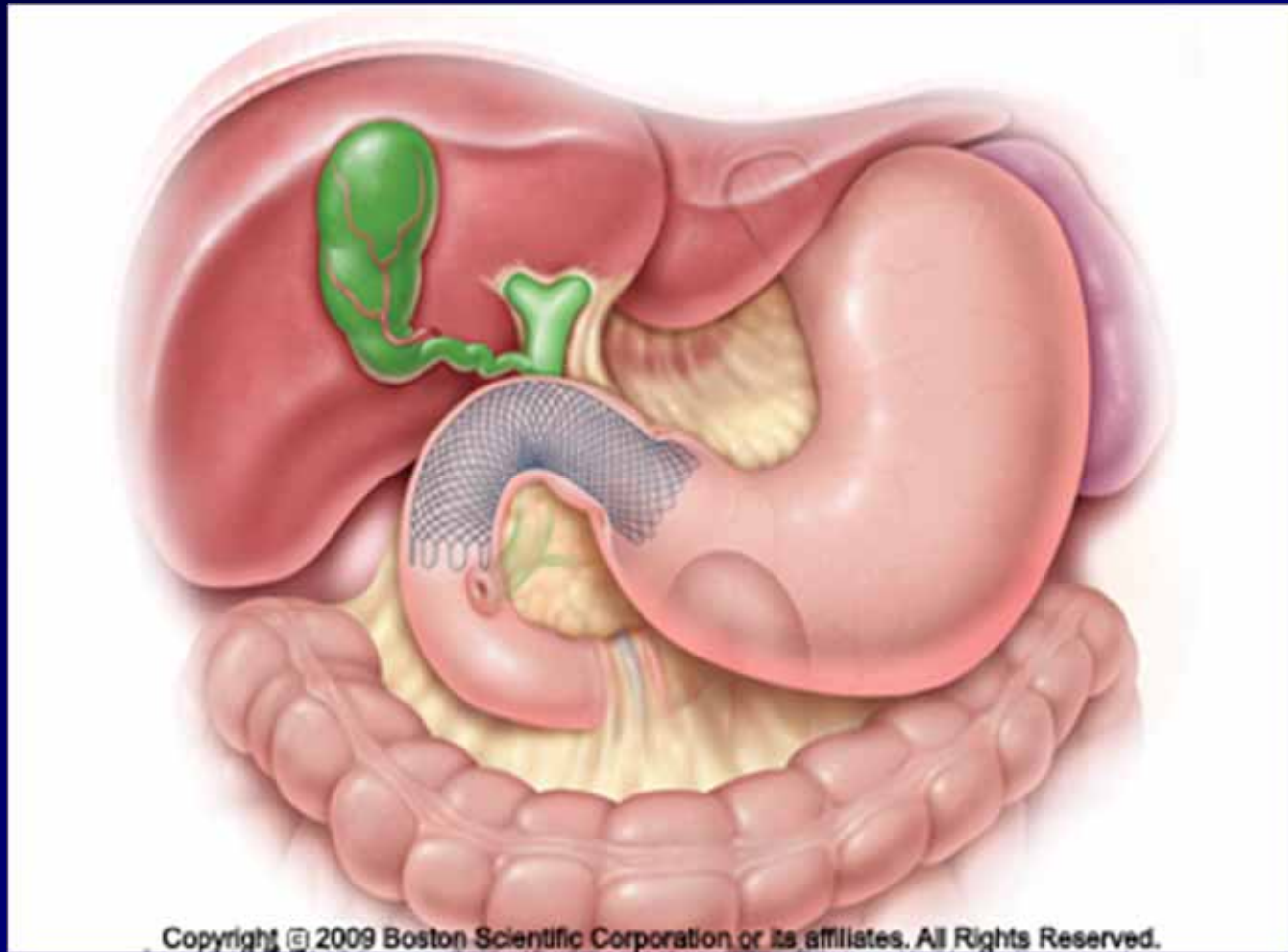




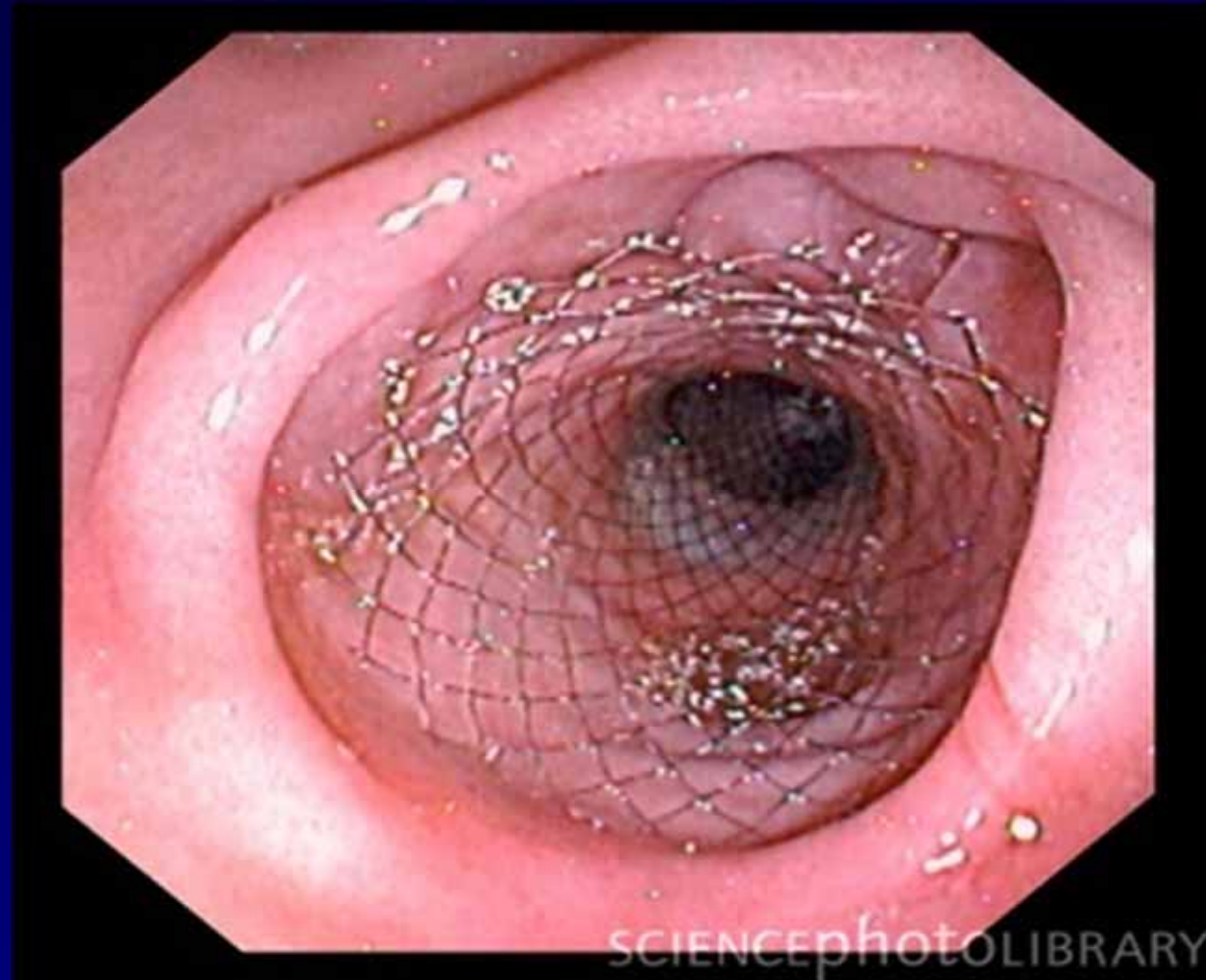
Malignant duodenal obstruction



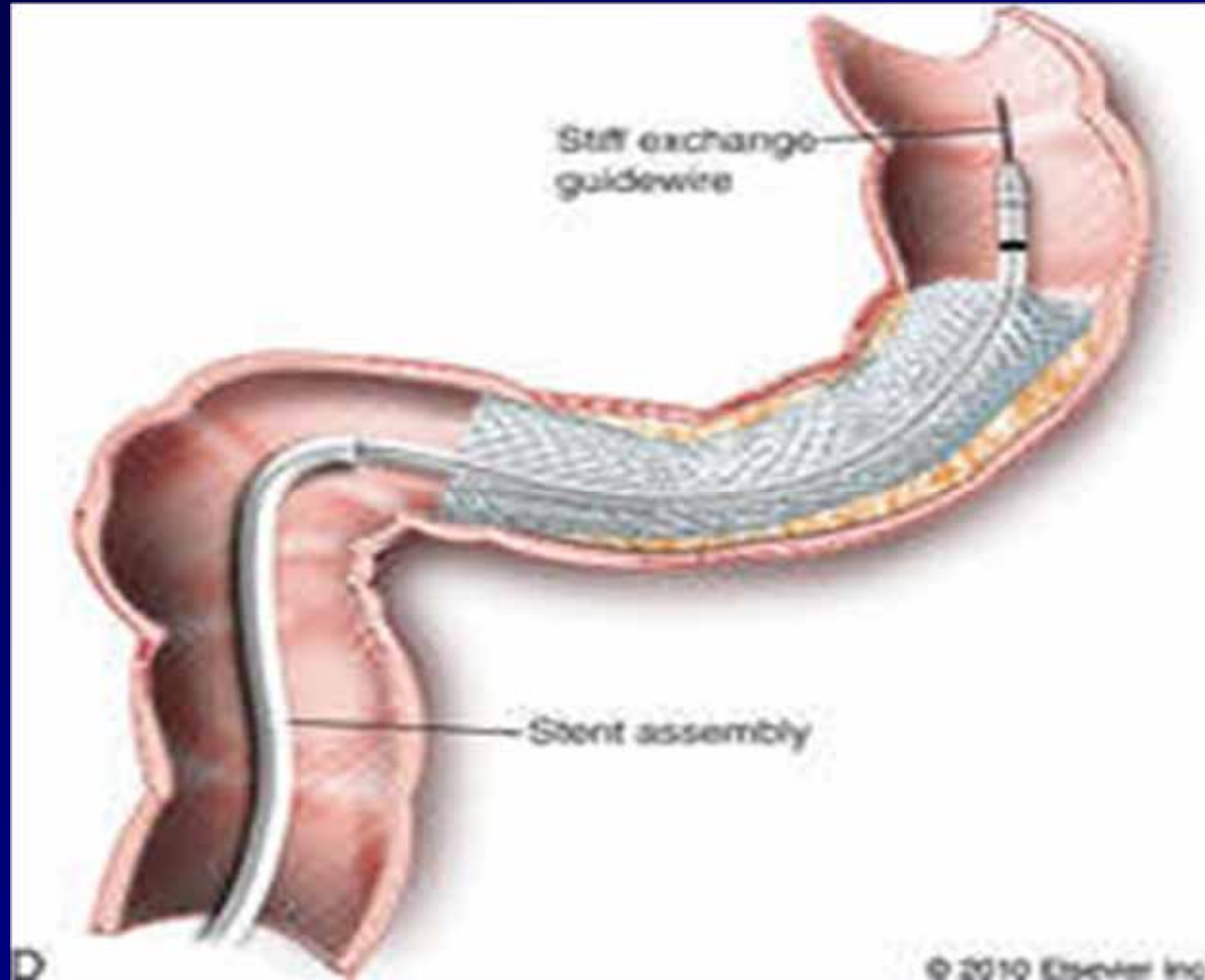
Copyright © 2009 Boston Scientific Corporation or its affiliates. All Rights Reserved.

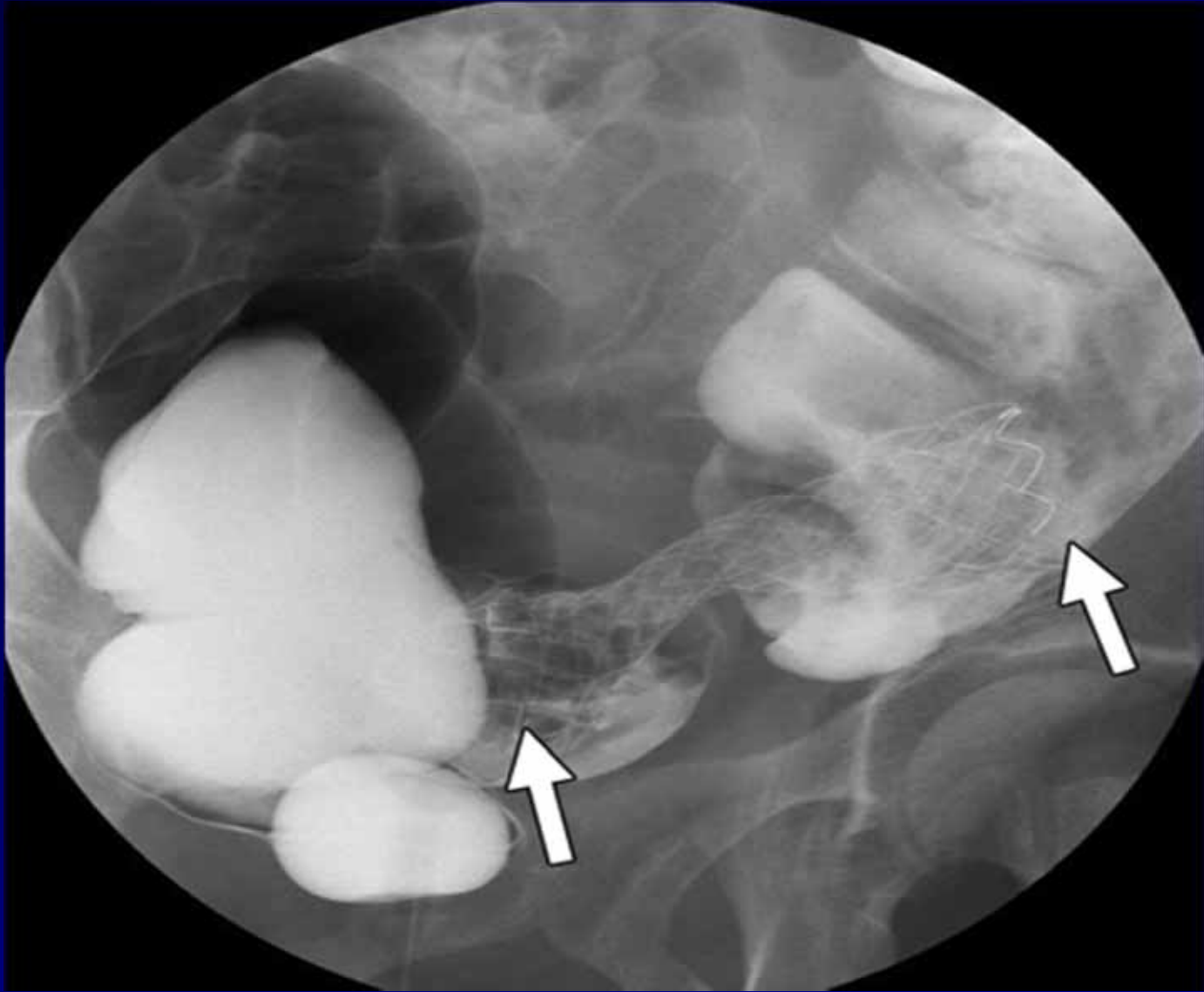


Copyright © 2009 Boston Scientific Corporation or its affiliates. All Rights Reserved.

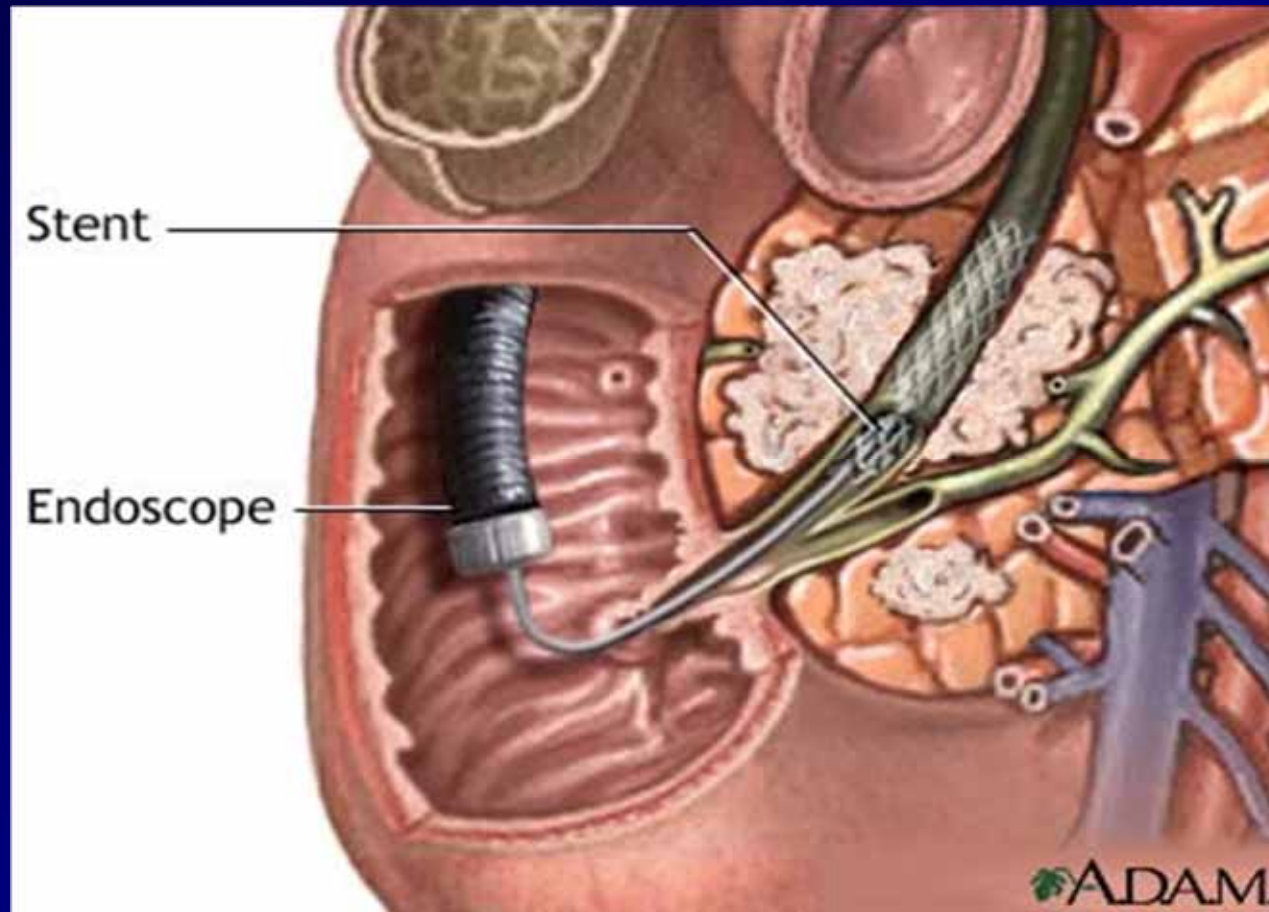


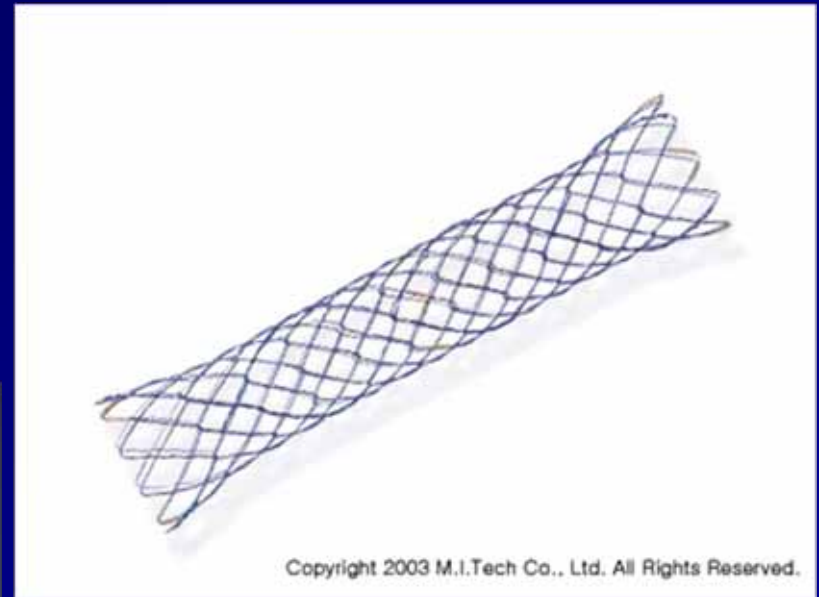
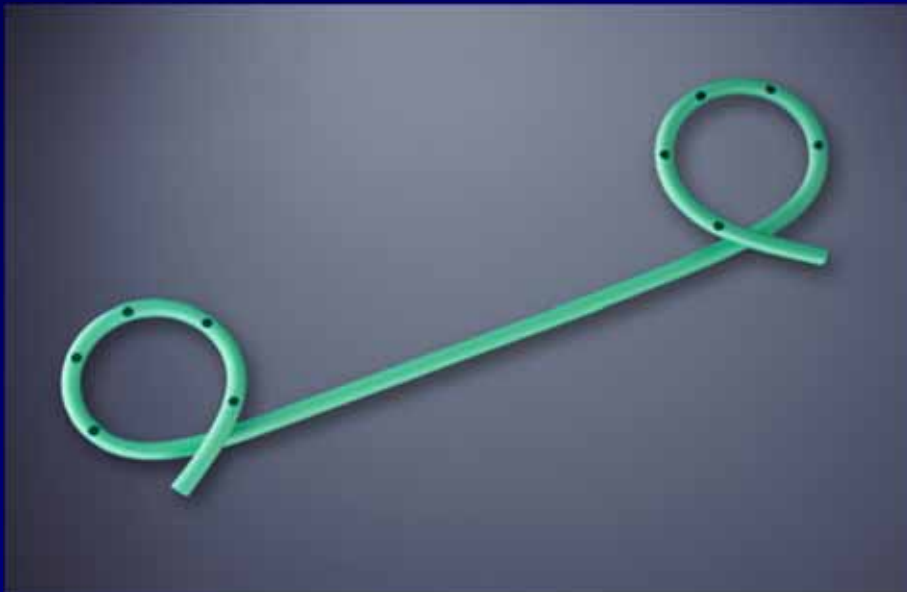
Obstructive Colon cancer



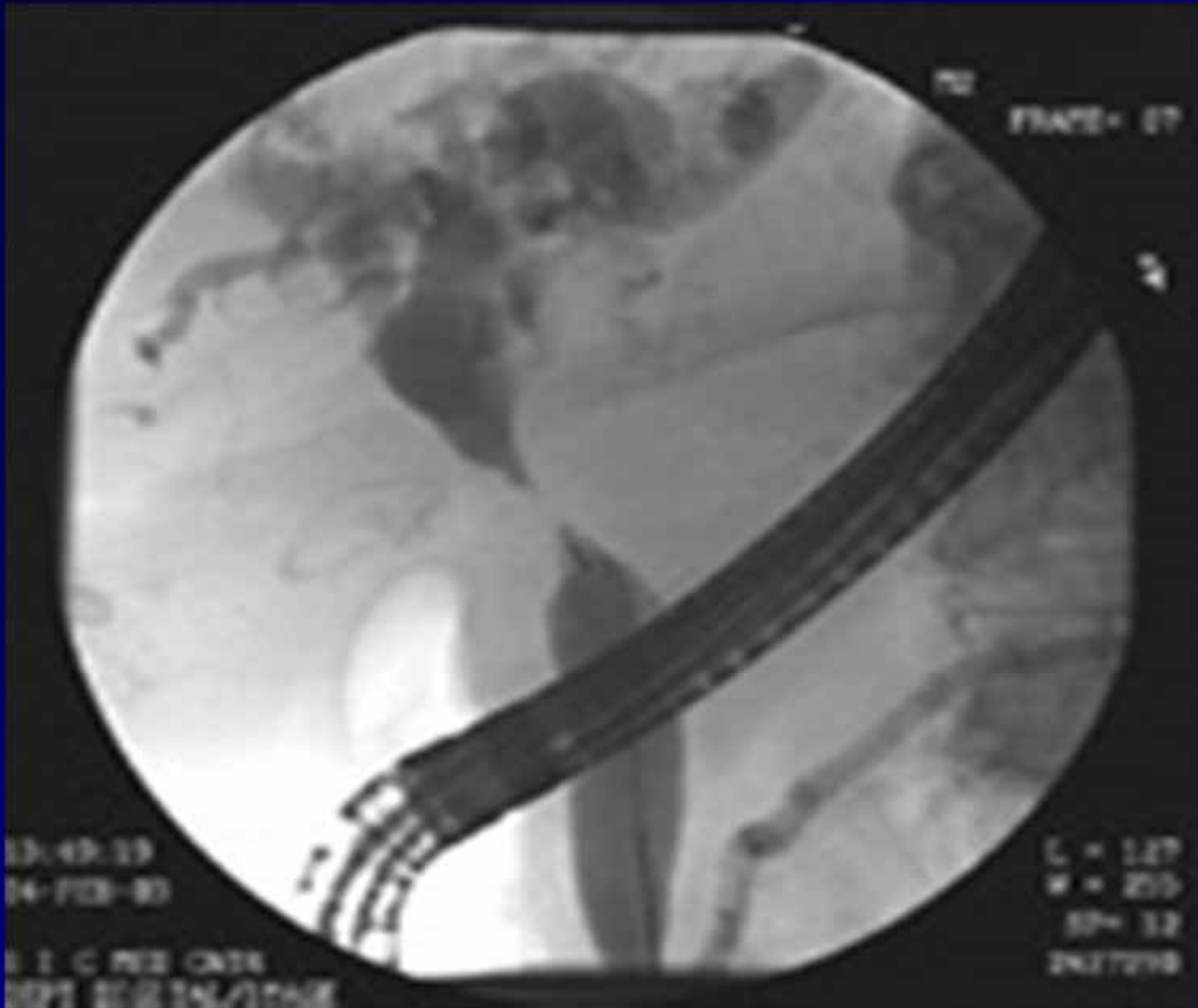


Stenting Biliary tract tumours at ERCP





Copyright 2003 M.I.Tech Co., Ltd. All Rights Reserved.



13:49:13
24-FEB-83

R. I. C. MED. CNTR
DEPT. RADIOLOGY

FRASE- 07

L = 127
W = 205
SP = 32
2417218



THANK YOU