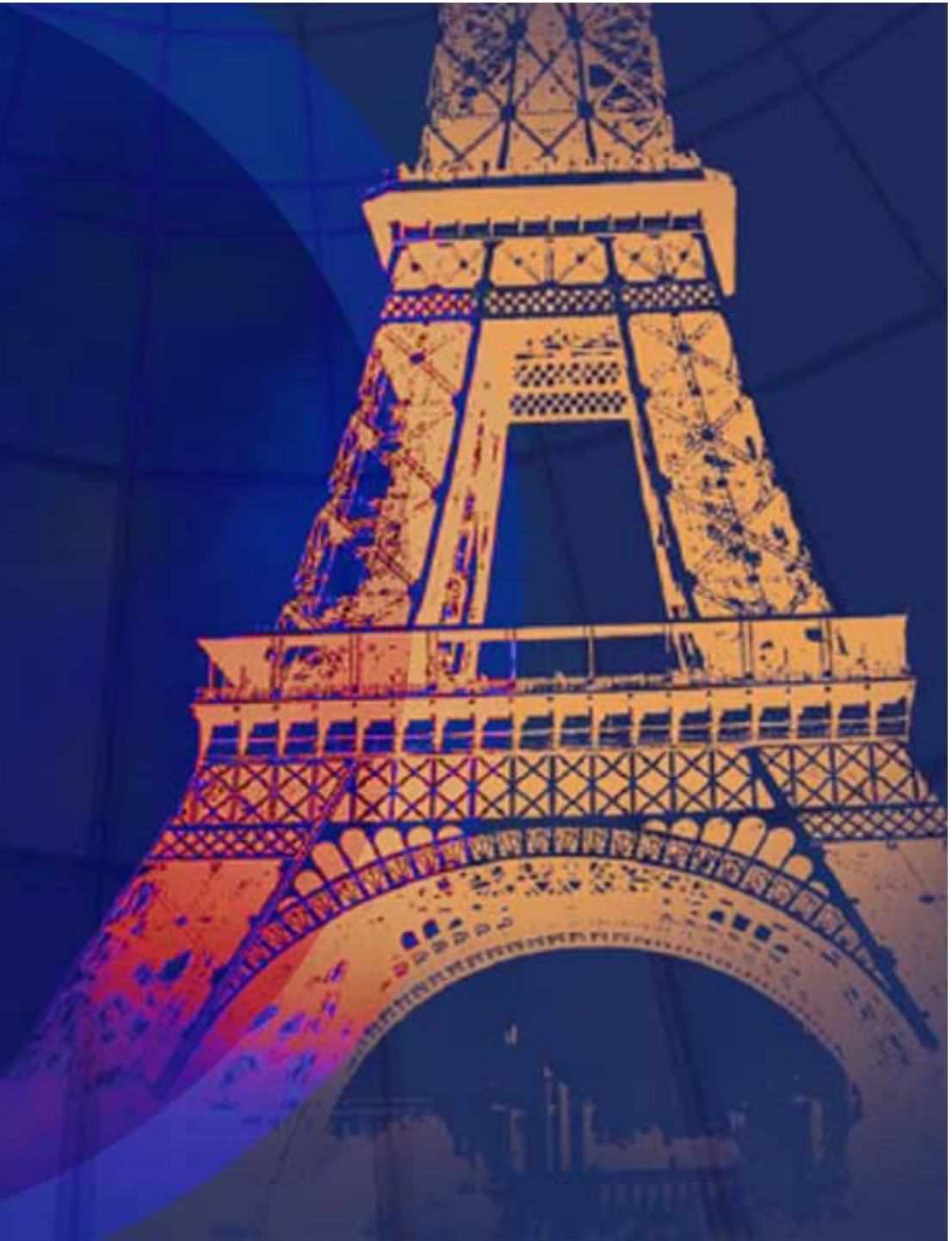


# Case report

V. de Lédighen  
CHU Bordeaux



# John, 45 year-old

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- 1998 : diagnosis of HCV infection
- Genotype 1b
- Contamination : transfusion 1985
- Excessive alcohol use until 1994
- 1.83 m ; 85 kg
- Liver biopsy : A2F2
- Treatment: interferon and ribavirin
- No response (positive RNA at W12)
- Stop treatment
- Lost of follow-up

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- 2003 : new visit
  - No alcohol or tobacco use
  - Viral load 950 000 IU/ml
  - Platelets 150 G/L
  - PT 93 %
  - ALT 115 IU/l
  - AST 95 IU/l

# Non-invasive evaluation of liver fibrosis

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**FibroScan**

27.6 +/- 8.1 kPa



**F4**

**Fibrotest**

ALT 89 IU/ml

GGT 81 IU/l

A2M 2,8 g/l

Bili 20 µmol/l

Haptoglobin 0.41 g/l

APOA1 1.48 g/l

0,56



**F2**

# What do you think ?

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1. FibroScan is correct
2. Fibrotest is correct
3. I don't know


# What do you do ?

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1. I repeat FibroScan and Fibrotest 6 months later
2. I use other non-invasive tests
3. I perform a liver biopsy

# 6 months later

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**FibroScan** 17.5 +/- 2.3 kPa  **F4**

**Fibrotest**

ALT 58 IU/  
GGT 60 IU/  
Bili 14  
A2M 2.7  **F2**  
Hapto 0.71  
APOA1.11  
0,58

# What do you do ?

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1. I don't need liver fibrosis evaluation: I treat!
2. I perform a liver biopsy
3. I wait 6 months and repeat evaluation



# Liver biopsy: 15 mm A2F4

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- Endoscopy: no oesophageal varices
- US: non hepatocellular carcinoma
- Treatment: Pegasys 180  $\mu\text{g/w}$  + Ribavirin 1,200 mg/d
- W4 100 000 IU/ml
- Hemoglobin 11 g/dl
- Platelets 80 G/l

# Treatment 48 weeks

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- Negative HCV RNA at W12 and W48
- Normal ALT level

Do you perform NI evaluation of liver fibrosis at week 48?

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1. Yes

2. No

## At week 48

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- Platelets: 99 G/L
- ALT 42 IU/L
- FibroScan : 14.6 kPa (IQR 4.8)
- Fibrotest: 0.53

Do you perform NI evaluation of liver fibrosis at week 72?

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1. Yes

2. No

# Week 72

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- Negative HCV RNA
- ALT 38 IU/L
- GGT 62 IU/L
- Platelets: 176 G/L
- FibroScan 9.9 kPa (IQR 0.7)
- Fibrotest 0.56

# What do you think ?

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1. There is always a cirrhosis
2. Fibrosis could be F3
3. Fibrosis could be F2

# Follow-up

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	2005	2006	2007
ALT	38	30	44
HCV RNA	-	-	-
FibroScan (kPa)	9.9	8.6	7.2
FibroTest	0.56	0.55	0.57



# What do you think ?

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1. There is always a cirrhosis
2. Fibrosis is F2 or F3
3. I don't know

# Liver biopsy

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- A1 F3/F4

# Conclusion

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- Without liver biopsy
- Even if there is a regression of liver stiffness

Cirrhosis once, cirrhosis forever!