A

B

Digit Symbol Test (n correct)

Healthy Volunteers (28)
Unimpaired (11) Minimal HE (20) Overt HE (25)

Cirrhotic patients (56)

p<0.02

p<0.02

p<0.02

p<0.02

p<0.02

Healthy Volunteers (28)
Unimpaired (11) Minimal HE Untreated (11) Minimal HE Treated (9) Overt HE Untreated (17) Overt HE Treated (8)

Cirrhotic patients (56)

p=0.051

p=0.058
a) Healthy volunteer

b) Cirrhotic patient: unimpaired

d) Cirrhotic patient: minimal HE

d) Cirrhotic patient: overt HE
A

Unimpaired (11)  Minimal HE (16)  Overt HE (25)

B

Healthy volunteers (25)  Cirrhotic patients (52)

Gain (0.5 Hz)

p<0.05  p<0.002

p<0.05  p<0.002
Overt HE: untreated

Treated for 2 months

Treated for 4 months