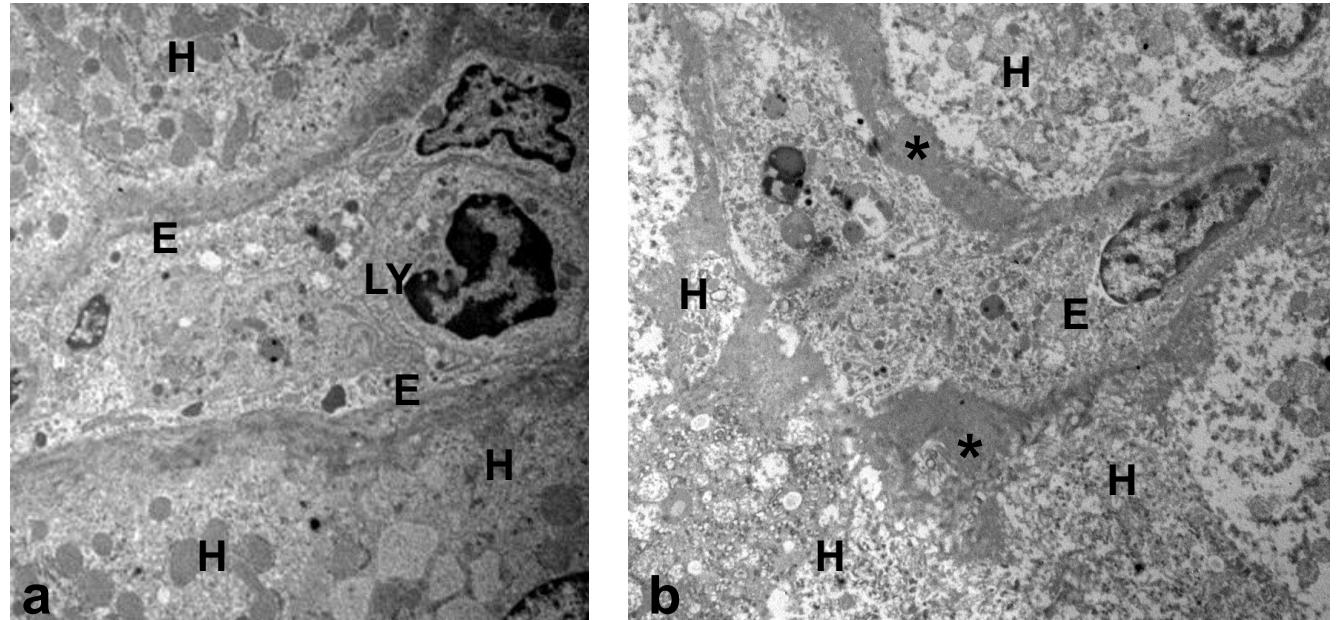


Supplementary Data

“Liver sinusoidal endothelial cells (LSECs) modifications in patients with chronic hepatitis C.”

Andrea Baiocchini, Franca Del Nonno, Chiara Taibi, Ubaldo Visco-Comandini,
Gianpiero D'Offizi, Mauro Piacentini, Laura Falasca

Supplementary Figure S1



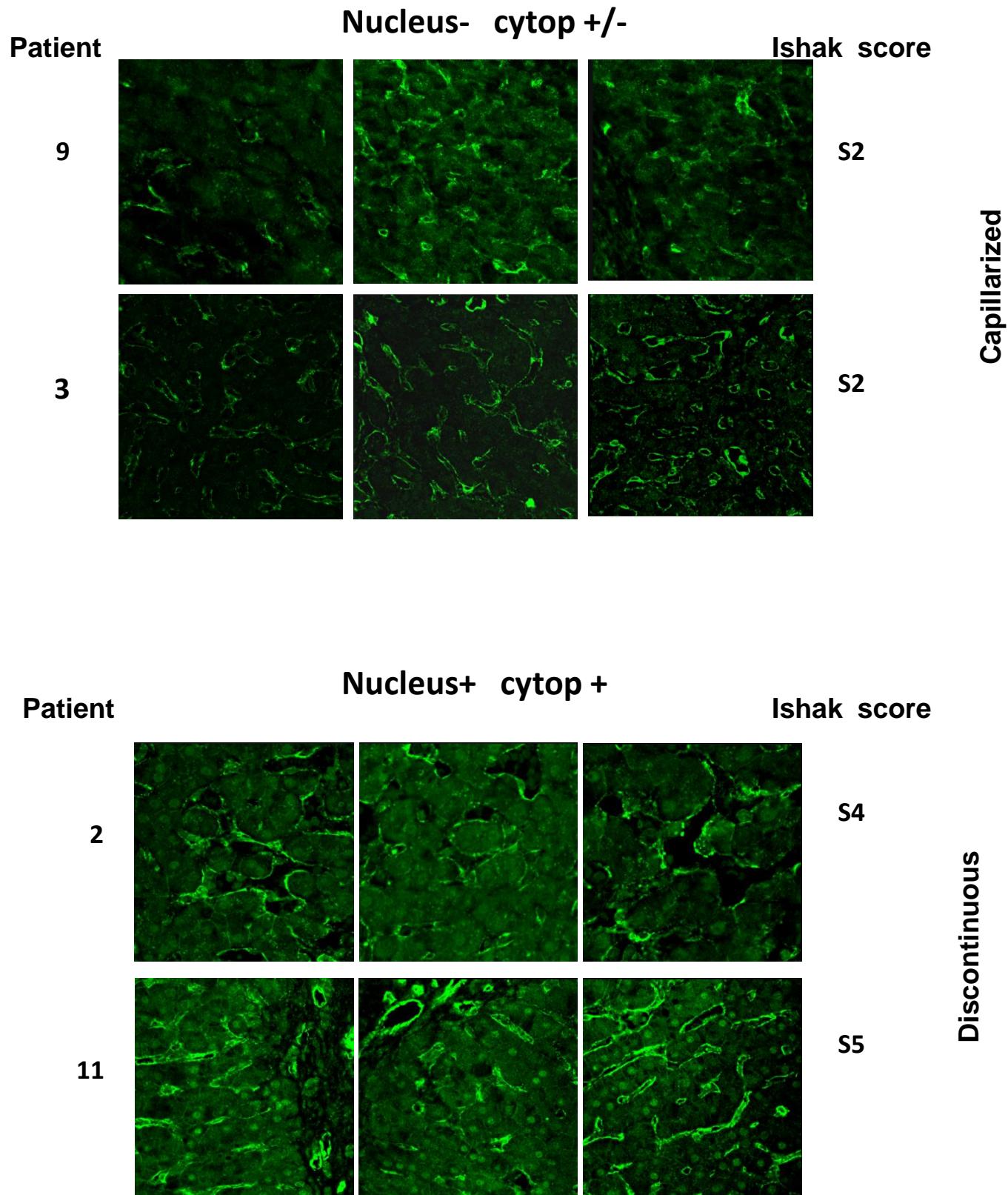
Representative transmission EM images of LSECs capillarization in liver from HCV-negative patients at early (a) and higher (b) stage of fibrosis.

A continuous endothelial cells (E) lining is associated to a basement membrane formation (*).

Supplementary Table S1

| Pz (n.) | HCV genotype | HCV viral load (IU/mL) | Total cholesterol (mg/dl) | ALT (mg/dl) | AST (mg/dl) | Fibrosis stage | Capillarized LSECs (Yes/No) |
|------------|-----------------|------------------------------|---------------------------------|----------------|----------------|-------------------|-----------------------------------|
| 1 | 1 | 22.9×10^5 | 150 | 353 | 262 | S4 | NO |
| 2 | 1 | 46.7×10^5 | 150 | 75 | 51 | S4 | NO |
| 3 | 1 | 2.9×10^5 | 178 | 16 | 21 | S2 | YES |
| 4 | 1 | 56.9×10^5 | 230 | 68 | 43 | S6 | NO |
| 5 | 3 | 41.2×10^5 | 82 | 183 | 122 | S5 | NO |
| 6 | 1 | 4.44×10^5 | 111 | 109 | 153 | S5 | NO |
| 7 | 1 | 3.01×10^5 | 142 | 39 | 33 | S4 | NO |
| 8 | 1 | 1.2×10^5 | 210 | 44 | 32 | S2 | NO |
| 9 | 1 | 1.4×10^5 | 119 | 35 | 31 | S2 | YES |
| 10 | 1 | 0.6×10^5 | 182 | 52 | 42 | S2 | YES |
| 11 | 1 | 4.96×10^5 | 210 | 104 | 95 | S5 | NO |
| 12 | 3 | 0.2×10^5 | 124 | 50 | 46 | S4 | NO |
| 13 | 1 | 3.4×10^5 | 168 | 43 | 52 | S4 | NO |
| 14 | 1 | 1.3×10^5 | 150 | 103 | 81 | S5 | NO |
| 15 | 1 | 33.9×10^5 | 181 | 65 | 102 | S5 | NO |
| 16 | 1 | 2.2×10^5 | 166 | 25 | 33 | S2 | YES |
| 17 | 4 | 12.2×10^5 | 172 | 36 | 41 | S6 | NO |
| 18 | 1 | 15.4×10^5 | 152 | 65 | 53 | S5 | NO |
| 19 | 3 | 0.7×10^5 | 164 | 84 | 143 | S4 | NO |
| 20 | 3 | 33×10^5 | 134 | 34 | 26 | S3 | NO |
| 21 | 1 | 44.7×10^5 | 147 | 37 | 48 | S3 | NO |
| 22 | 1 | 73.1×10^5 | 203 | 46 | 40 | S2 | NO |
| 23 | 4 | 2.1×10^5 | 171 | 94 | 74 | S4 | NO |
| 24 | 1 | 15.4×10^5 | 158 | 121 | 124 | S6 | NO |

Supplementary Figure S2



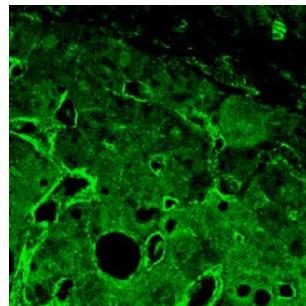
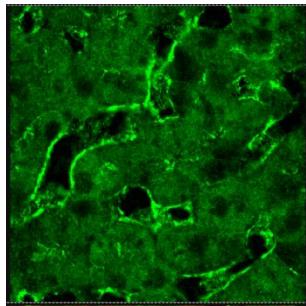
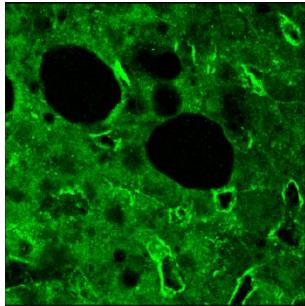
Supplementary Figure S2

Nucleus- cytop +

Patient

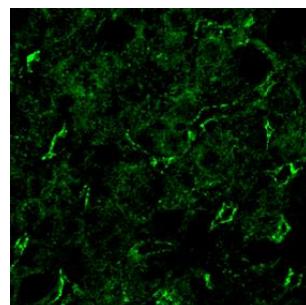
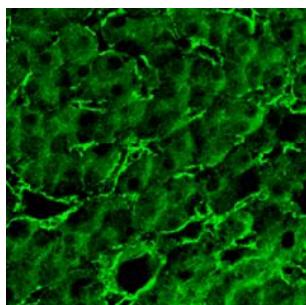
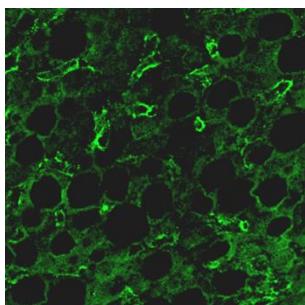
Ishak score

15



S5

7



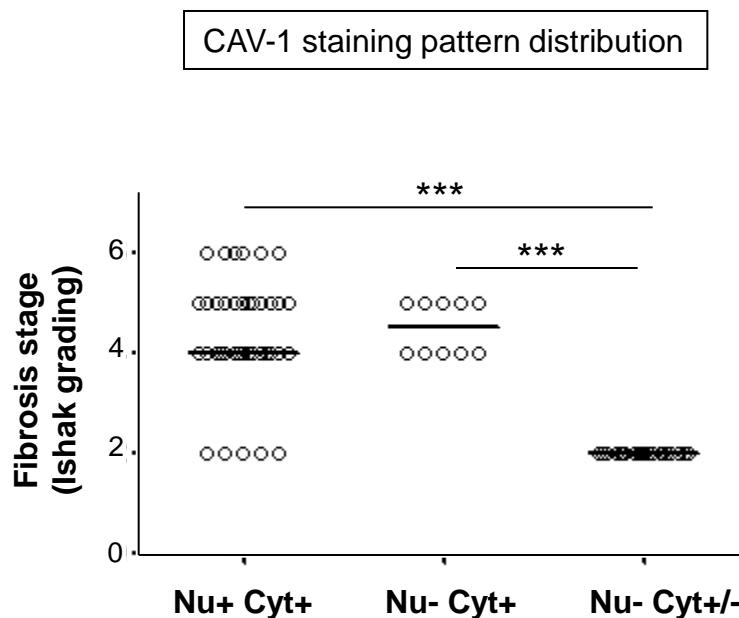
S4

Non Capillarized/ Non Discontinuous

Confocal fluorescence microscopy images showing different pattern of Cav-1 distribution

Two patients for each staining pattern condition and 3 different areas from same patient are shown. Fibrosis score (according to Ishak grading) and LSECs changes are indicated on the left.

Supplementary Figure S3



Dot plot analysis of Cav-1 staining pattern distribution in HCV-infected liver, according to the fibrosis stage. Individual dots correspond to the evaluation of immune-positivity distribution from randomly taken non-overlapping regions (n=5-6/ sample). Bars show the median. Significance was analysed using One-way ANOVA, Dunn's multiple comparison post hoc test.
*** $P < 0.001$