**Supplementary Results**

Contribution of additional variables to the predictive value of platelet count in the Jangouk, Levy, and Lindor criteria.

**Primary Biliary Cholangitis (PBC)**

**Platelet count**

C-statistic 0.785

Model

 Coef S.E. Wald Z p-value

 Intercept 0.9778 0.7182 1.36 0.1734

 Platelet -0.0195 0.0051 -3.80 0.0001

**Adding MELD to platelet count**

C-statistic 0.798

Model

 Coef S.E. Wald Z p-value

 Intercept 0.6976 1.1078 0.63 0.5289

 Platelet -0.0192 0.0052 -3.68 0.0002

 MELD 0.0275 0.0831 0.33 0.7405

**Adding Mayo (original) to platelet count**

C-statistic 0.792

Model

 Coef S.E. Wald Z p-value

 Intercept 3.0626 1.8404 1.66 0.0961

 Platelet -0.0225 0.0059 -3.85 0.0001

 Mayo model -0.3324 0.2684 -1.24 0.2155

**Primary Sclerosing Cholangitis (PSC)**

**Platelet count**

C-statistic 0.845

Model

 Coef S.E. Wald Z P-value

 Intercept 1.1767 0.9274 1.27 0.2045

 Platelet -0.0200 0.0067 -2.97 0.0030

**Platelet + MELD**

C-statistic 0.851

Model

 Coef S.E. Wald Z P-value

 Intercept 0.6959 1.4138 0.49 0.6226

 Platelet -0.0195 0.0067 -2.93 0.0034

 MELD 0.0411 0.0960 0.43 0.6687

**Platelet + Bilirubin (mg/dl)**

C-statistic 0.845

 Coef S.E. Wald Z p-value

 Intercept 1.1842 1.0086 1.17 0.2403

 Platelet -0.0200 0.0067 -2.97 0.0030

 bilirubin -0.0040 0.2079 -0.02 0.9847

**Model with only platelet count (corrected with bootstrap):**

Logit = 1.2655358-0.021495671\*Plat300 (platelet introducted with a cap of 300).

A platelet count of 200 would be associated with a 5% risk of VNT (95% CI 1-14). 50% of patients with PBC had a platelet count of more than 200.

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**Supplementary Figure 1. Risk of VNT in patients with PBC: The ANTICIPATE-PBC model**. This nomogram shows the risk of VNT treatment based on the results of LS by TE and platelet count in patients with PBC. VNT: Varices needing treatment; PBC: Primary biliary cholangitis; LS by TE: Liver stiffness measurement by transient elastography.



**Supplementary Figure 2. Risk of VNT in patients with PSC: Platelet count alone.** This nomogram shows the risk of VNT based solely on the results of platelet count in patients with PSC. VNT: Varices needing treatment; PSC: Primary sclerosing cholangitis.