

Supplementary Table 1 Parameters that affect measurability of M probe

Variable of test	Area	Standard error	<i>P</i> value	Asymptotic 95% confidence interval	
				Lower limit	Upper limit
Skin-capsule distance w/o pressure (mm)	0.945	0.012	< 0.001	0.923	0.968
Current BMI (kg/m²)	0.889	0.029	< 0.001	0.833	0.946

BMI: Body mass index.

Supplementary Table 2 Multivariate logistic regression of different parameters for liver stiffness > 6 kPa

Parameter	<i>P</i> value	Exp(B)	95%CI for exp(B)	
			Lower	Upper
Gestational age (d)	0.027	1.016	1.011	1.021
Estimated cumulative fetus weight (g)	0.012	1.003	1.001	1.005
Current body weight (kg)	0.474	0.974	0.908	1.046
Increase in body weight (kg)	0.962	1.006	0.799	1.266
Nulliparous (0 or 1)	0.243	3.766	0.406	34.955

A

Parameter	P	Exp(B)	95% C.I. for EXP(B)	
			Lower	Upper
Liver stiffness (kPa)	0.003	2.052	1.271	3.312
Gestational age (days)	0.857	0.998	0.982	1.015
Creatinine (mg/dL)	0.059	1,004.454	0.774	
AST (U/L)	0.301	1.044	0.962	1.133
ALT (U/L)	0.378	0.959	0.873	1.053
GGT (U/L)	0.070	0.901	0.806	1.009
Leukocytes (1/nL)	0.031	1.391	1.030	1.878
Billirubin total (mg/dL)	0.062	0.000	0.000	1.690
MAP (mmHg)	0.175	1.316	0.885	1.965

B

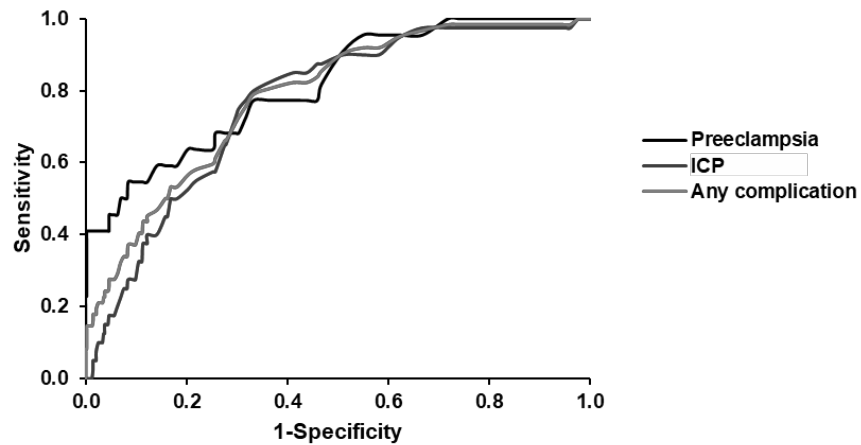
Parameter	P	Exp(B)	95% C.I. for EXP(B)	
			Lower	Upper
Liver stiffness (kPa)	0.686	1.042	0.854	1.271
Gestational age (days)	0.286	1.029	0.976	1.085
Creatinine (mg/dL)	0.345	0.102	0.001	11.717
AST (U/L)	0.130	0.966	0.924	1.010
ALT (U/L)	0.010	1.057	1.014	1.102
GGT (U/L)	0.395	1.033	0.959	1.113
Leukocytes (1/nL)	0.938	0.983	0.631	1.531
Pruritus	0.000	197.233	13.440	2,894.432
Billirubin total (mg/dL)	0.562	0.256	0.003	25.452
Bile acid (μmol/L)	0.100	1.084	0.985	1.194

C

Parameter	Sig.	Exp(B)	95% C.I. for EXP(B)	
			Lower	Upper
Liver stiffness (kPa)	0.002	0.664	0.514	0.858
Gestational age (days)	0.642	0.997	0.982	1.011
Creatinine (mg/dL)	0.395	0.067	0.000	33.644
AST (U/L)	0.930	1.002	0.950	1.058
ALT (U/L)	0.045	0.966	0.934	0.999
GGT (U/L)	0.585	1.018	0.954	1.087
Leukocytes (1/nL)	0.165	0.844	0.665	1.072
Pruritus	0.000	0.023	0.003	0.154
Billirubin total (mg/dL)	0.108	35.274	0.458	2,718.763

Supplementary Figure 1 Multivariate logistic regression analysis of different parameters with regard to the prediction of (A) preeclampsia, (B) intrahepatic cholestasis of pregnancy (ICP) and (C) any of both pregnancy complications. Liver stiffness (LS) is a significant predictor of preeclampsia but not ICP. AST: Aspartate transaminase; ALT: Alanine transaminase; GGT: Gamma-glutamyltransferase.

A



B

	Area	Std. Error	P	95%-Confidence interval	
				lower	upper
Preeclampsia	0.815	0.047	0.000	0.722	0.907
ICP	0.766	0.035	0.000	0.698	0.833
Any complication	0.783	0.029	0.000	0.726	0.840

C

	Cutoff (kPa)	Sensitivity	Specificity	Accuracy	PPV
Preeclampsia	7.7	0.55 0.35-0.73	0.92 0.89-0.94	0.90 0.87-0.92	0.23 0.14-0.36
ICP	5.5	0.80 0.65-0.90	0.67 0.62-0.71	0.68 0.64-0.72	0.17 0.12-0.23
Any complication	5.5	0.79 0.67-0.87	0.67 0.62-0.71	0.68 0.64-0.72	0.24 0.18-0.30

Supplementary Figure 2 A: ROC-curve of LS for prediction of preeclampsia, cholestasis or any of both complications with **B:** area under the curve, asymptotic P-value and 95% confidence interval. **C:** Shown are markers for diagnostic performance of LS such as sensitivity, specificity and accuracy for the detection of pregnancy complications with corresponding cutoff values determined by the maximum of the Youden index. ICP: Intrahepatic cholestasis of pregnancy.