

Supplementary Materials

HPV16 Load is a Potential Biomarker to Predict Risk of High-Grade Cervical Lesions in High-Risk HPV-Infected Women: A Large Longitudinal French Hospital-Based Cohort Study

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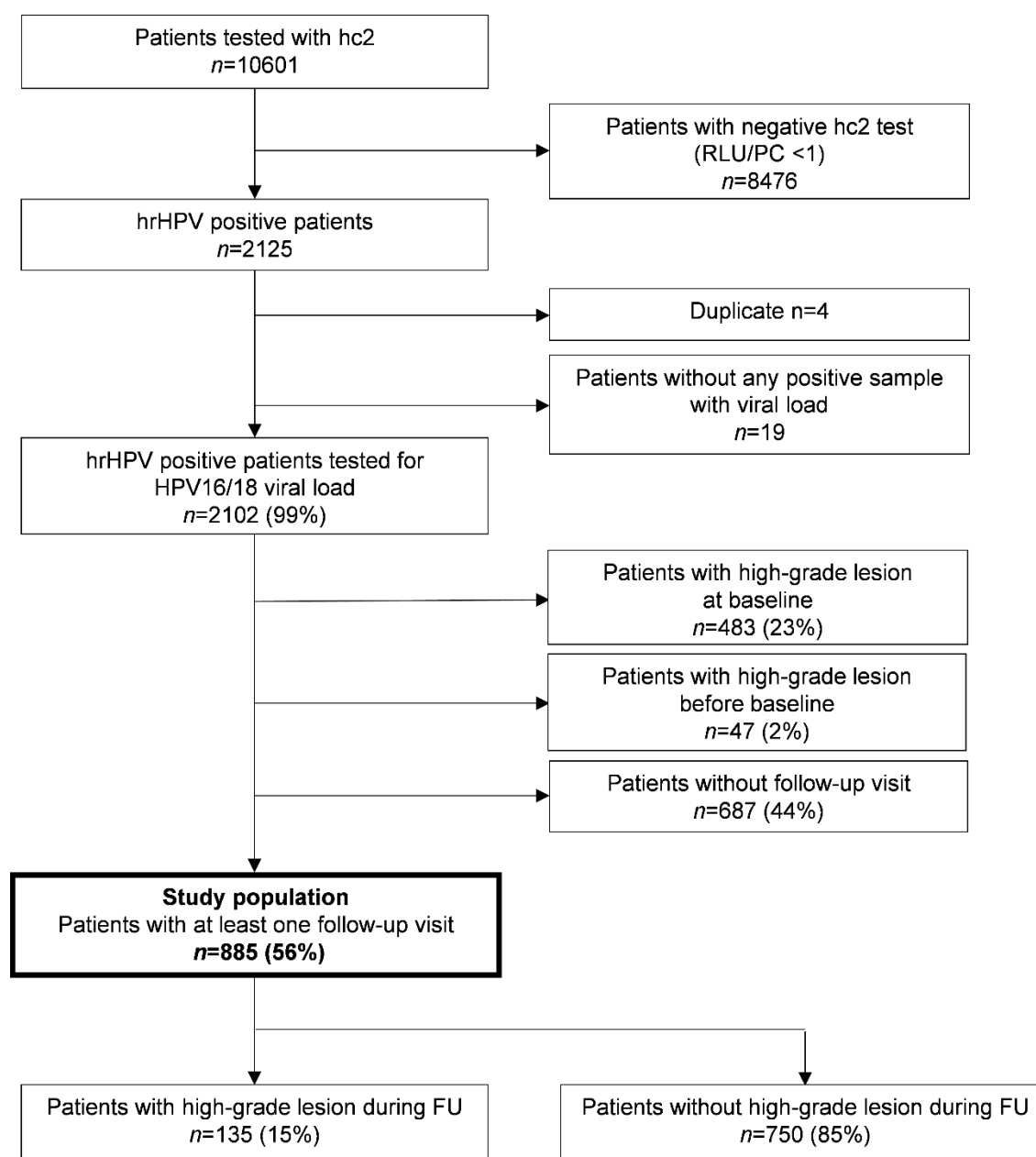


Figure S1. Flow chart for the hrHPV DNA test and HPV16/18 DNA load test performed on the study population. FU: Follow-Up; hc2: Hybrid Capture 2; hrHPV: High-Risk Human Papillomavirus; RLU/PC: Relative Light Unit/Positive Control.

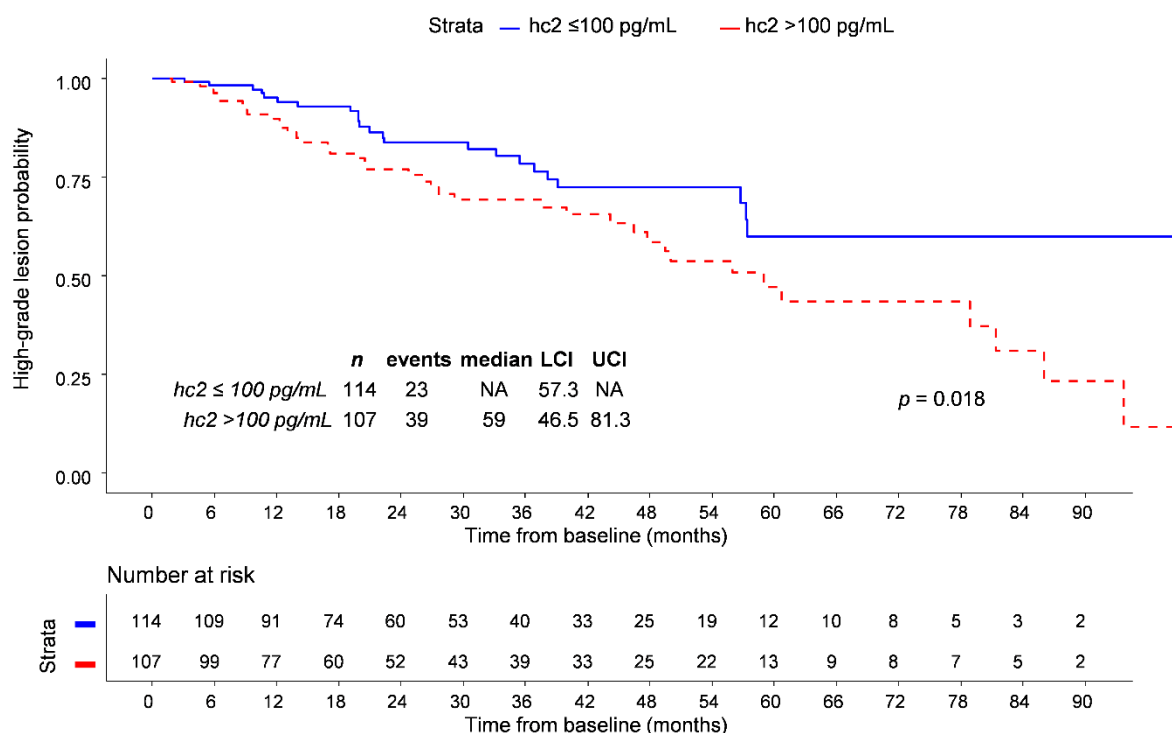


Figure S2. Kaplan–Meier estimates for time from baseline to the development of high-grade lesion according to hc2 results in HPV16 positive women. LCI: 95% Lower Confidence Interval; UCI: 95% Upper Confidence Interval. FU: Follow-Up; hc2: Hybrid Capture 2; hrHPV: High-Risk Human Papillomavirus; NA: Not Available.

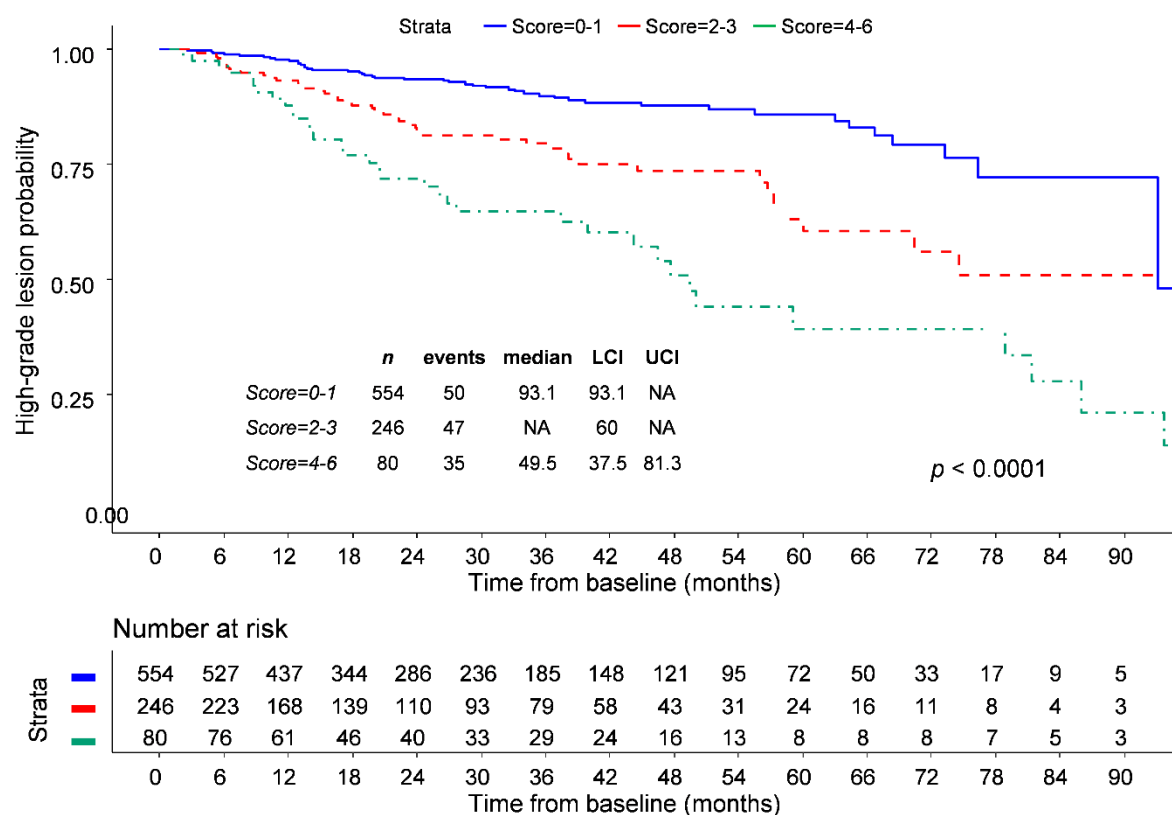


Figure S3. Kaplan–Meier estimates for time from baseline to the development of high-grade lesion according to prognostic score. LCI: 95% Lower Confidence Interval; UCI: 95% Upper Confidence Interval; NA: Not Available.

Table S1. Sequences of qPCR primer pairs and probes targeting a polymorphic region of HPV16 and HPV18 E6 genes and the cellular albumin gene.

Primer	Sequence
HPV16 Fw	5'-GAGAACTGCAATGTTTCAGGACC-3'
HPV16 Rv	5'-TGTATAGTTGTTTGCAGCTCTGTGC-3'
HPV16 probe	5'-FAM-CAGGAGCGACCCAGAAAGTTACCACAGTT-BHQ1-3'
HPV18 Fw	5'-ACACCACAATACCATGGCG-3'
HPV18 Rv	5'-TTCAGTTCCGTGCACAGATC-3'
HPV18 probe	5'-FAM-CAACACGGCGACCCTACAAGCTAC-BHQ1-3'
Albumin Fw	5'-GCTGTCATCTCTTGTGGGCTGT-3'
Albumin Rv	5'-AAACTCATGGGAGCTGCTGGTT-3'
Albumin probe	5'-FAM-CCTGTCATGCCACACAAATCTCTCC-BHQ1-3'

Fw: Forward; HPV: Human Papillomavirus; qPCR: Quantitative Polymerase Chain Reaction; Rv Reverse

Table S2. Univariate cox model for the association between prognostic groups and high-grade lesion occurrence in the study population.

Score	<i>n</i> (Events)	HR	95% CI	<i>p</i> -Value
-	880 (132)	-	-	-
0–1	554 (50)	1	-	-
2–3	246 (47)	2.39	1.61–3.57	<0.0001
4–6	80 (35)	4.53	2.92–7.01	<0.0001

HR: hazard ratio; CI: confidence interval



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