Supplementary Table 2

Continuous VENUSS score and risk group definitions according to VENUSS group, UISS, TNM group and Leibovich group in the development cohort (A) and the independent ASSURE cohort (B). The coefficients (coeff), standard errors (SE), subhazard ratios (SHR) and confidence intervals (95% CI) are derived from separate competing risks models. In the independent cohort, Rubin's rules were followed to obtain the reported pooled model parameters.

95% CI

1.48-1.78

2.38-9.84

12.1-45.0

1.97-8.27

9.10-33.2

1.68-9.04

4.55-14.4

39.3-118.1

1.35-6.80

4.90-16.9

р

<0.001

< 0.001

< 0.001

< 0.001

< 0.001

0.002

< 0.001

< 0.001

0.007

< 0.001

А SE SHR Category Coeff VENUSS score Continuous 0.485 0.046 1.62 VENUSS group Low risk Reference Intermediate risk 1.58 4.85 0.361 3.15 High risk 0.335 23.3 UISS Low/intermediate Reference Intermediate high risk 1.40 0.365 4.04 Very high risk 2.85 0.330 17.37 L TNM group Reference Ш 1.36 0.429 3.90 Ш 2.09 0.294 8.09 IV 4.22 0.281 68.2 Leibovich 2018 Low (group 1) Reference Intermediate (group 2) 1.11 0.412 3.03

High (group 3)

В

	Category	Coeff	SE	SHR	95% CI	p
VENUSS score	Continuous	0.238	0.058	1.27	1.13-1.42	<0.001
VENUSS group	Low/intermediate risk	Reference				
	High risk	1.11	0.28	3.04	1.75-5.27	<0.001
UISS	Intermediate high risk	Reference				
	Very high risk	0.95	0.27	2.58	1.52-4.41	<0.001
TNM group	I	Reference				
	II	0.62	0.75	1.86	0.43-8.06	0.41
	III-IV	1.39	0.70	4.03	1.02-16.0	0.047
Leibovich 2018	Low (group 1)	Reference				
	Intermediate (group 2)	0.13	0.46	1.14	0.46-2.80	0.78
	High (group 3)	0.68	0.37	1.97	0.96-4.08	0.07

2.21

0.316 9.10