

Supplementary material for

Prognostic and predictive value of desmoplastic reaction in colorectal cancer: a multicenter retrospective study

This PDF file includes:

Scanner information

Supplementary Table (S1–S2)

Supplementary Figure (S1–S2)

Scanning details:

All these slides were scanned using digital whole-slide images scanning (Aperio AT2, Leica, USA; Aperio GT 450 Leica, USA; MoticEasyScan Pro, Motic, China; KF-PRO-020, KFBIO, China; SQS-600P, TEKSQRAY, China; NanoZoomer S60, Hamamatsu, Japan) at 40× magnification (resolution: 0·21–0·26 $\mu\text{m}/\text{pixel}$).

Supplementary Table S1. The discrimination performance in the two cohorts.

	Discovery cohort	Validation cohort
	C-index (95% CI)	C-index (95% CI)
Age	0·610 (0·574–0·646)	0·571 (0·534–0·608)
TNM stage	0·652 (0·622–0·681)	0·694 (0·663–0·724)
CEA	0·626 (0·596–0·657)	0·553 (0·521–0·584)
Grade	0·536 (0·513–0·558)	0·548 (0·518–0·578)
DR	0·596 (0·564–0·628)	0·644 (0·612–0·677)
Model	0·736 (0·706–0·765)	0·729 (0·698–0·760)

Abbreviations: C-index, Harrell's concordance index; CI, confidence interval; TNM, tumor-node-metastasis; CEA; DR, desmoplastic reaction.

Note: C-index of CEA was calculated based on 2112 available patients and C-index of Grade was calculated based on 2165 available patients, others were calculated on the basis of whole patients.

Supplementary Table S2. Confusion matrix

DR type		Obsever1			Kappa
		Mature	Middle	Immature	
Obsever2	Mature	50	3	0	0·826
	Middle	3	27	0	
	Immature	2	3	12	

Abbreviations: DR, Desmoplastic reaction.

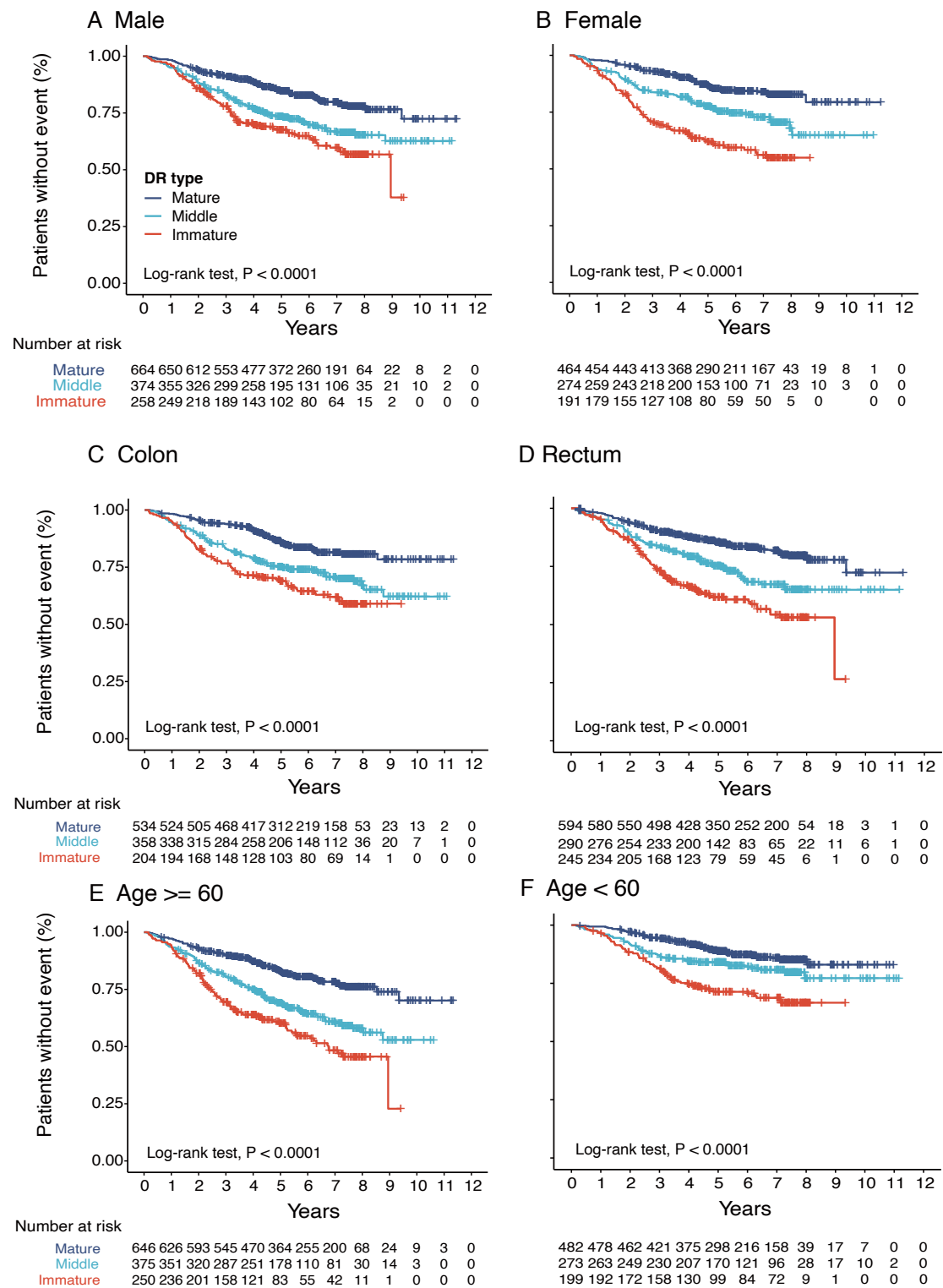


Figure S1. Prognostic significance of DR categorization in different subgroups of CRC patients.

(A–B) sex. (C–D) location of tumor. (E–F) age (all $P < 0.0001$, log-rank test). DR, Desmoplastic reaction.

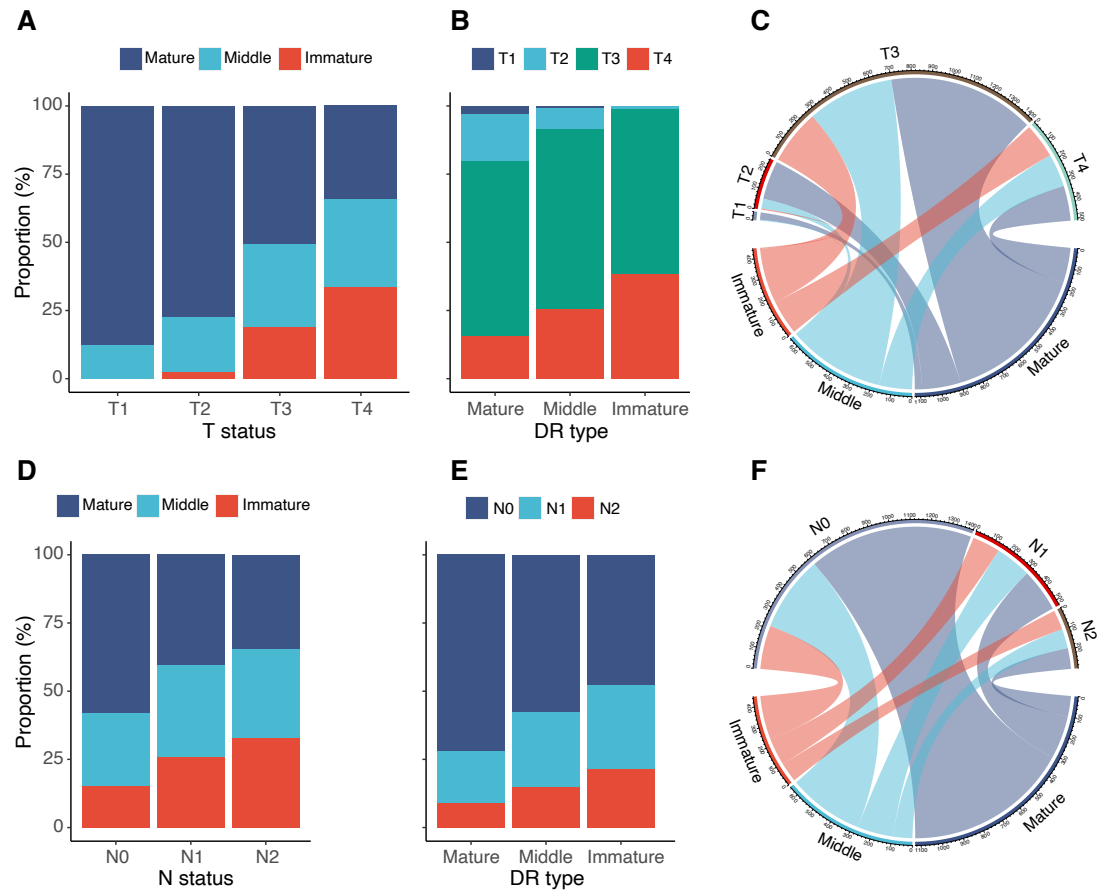


Figure S2. Correlation between DR and T status, N status. (A) The proportion of each DR types in different T status. (B) The proportion of each T status in different DR types. (C) The correlation between DR and T status. (D) The proportion of each DR types in different N statuses. (E) The proportion of each N status in different DR types. (F) The correlation between DR and N status. DR, desmoplastic reaction.