

Reporting with Rmarkdown

Albert Cobos

Introduction

Accurate early anticipation of long-term irreversible brain damage during the acute phase of patients with aneurysmal subarachnoid hemorrhage (aSAH) remains difficult. Using a combination of clinical scores (WFNS) together with brain injury-related biomarkers (NDKA and S100-beta), this study aimed at developing a multiparameter prognostic panel to facilitate early outcome prediction following aSAH.

Methods

Blood samples of 113 were prospectively enrolled and analyzed. Bla, bla, bla...

Figure 1 shows the distribution of markers according to the patient's outcome. There is considerable overlap of the distributions in patients with poor or good outcome. Bla, bla, bla...

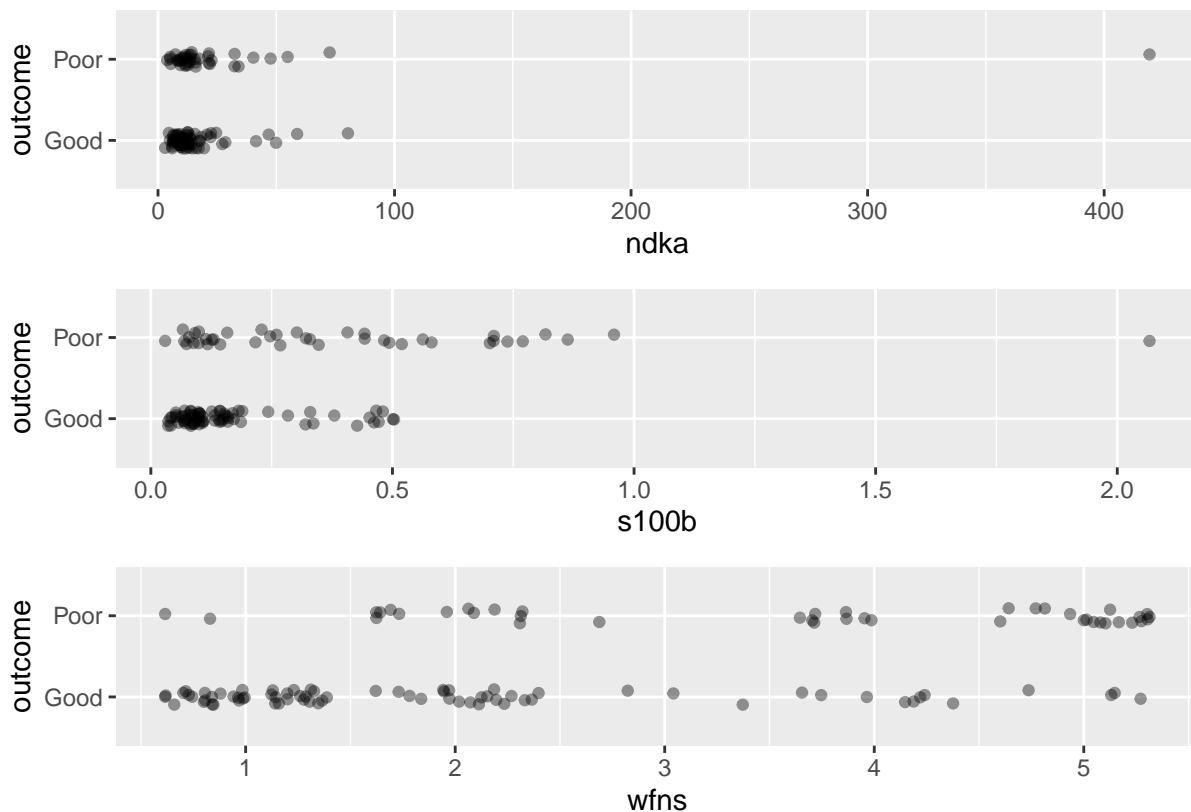


Figure 1: Distribution of markers according to outcome

Table 1 summarizes the distribution of demographic variables and of the three markers according to outcome.

Table 1: Summary descriptives table by groups of ‘outcome’

	Good N=72	Poor N=41
gender:		
Male	22 (30.6%)	20 (48.8%)
Female	50 (69.4%)	21 (51.2%)
age	48.9 (13.8)	55.0 (13.3)
wfns	1.92 (1.23)	3.68 (1.42)
s100b	0.16 (0.13)	0.40 (0.38)
ndka	14.9 (12.8)	28.1 (64.2)

Figure 2 displays the ROC curves for all three markers.

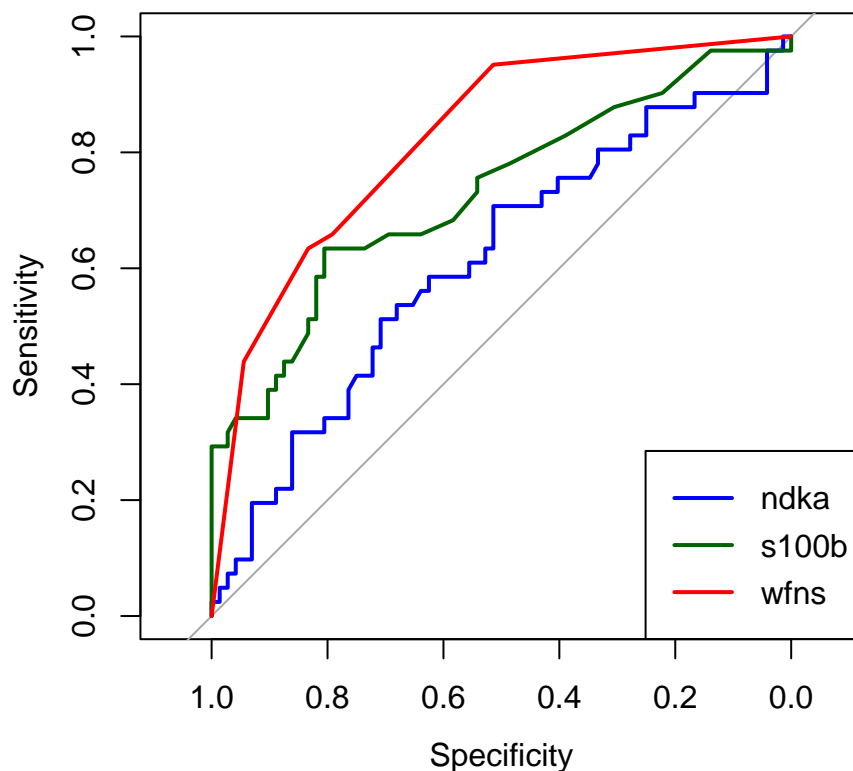


Figure 2: ROC curves for all three markers

Table 2: ROC AUC of markers

marker	AUC	p
ndka	0.61 [95% CI: 0.51, 0.72]	0.005
s100b	0.73 [95% CI: 0.62, 0.83]	0.027
wfns	0.82 [95% CI: 0.74, 0.89]	-

Table 2 shows the ROC AUC's of the three markers. Bla, bla, bla...

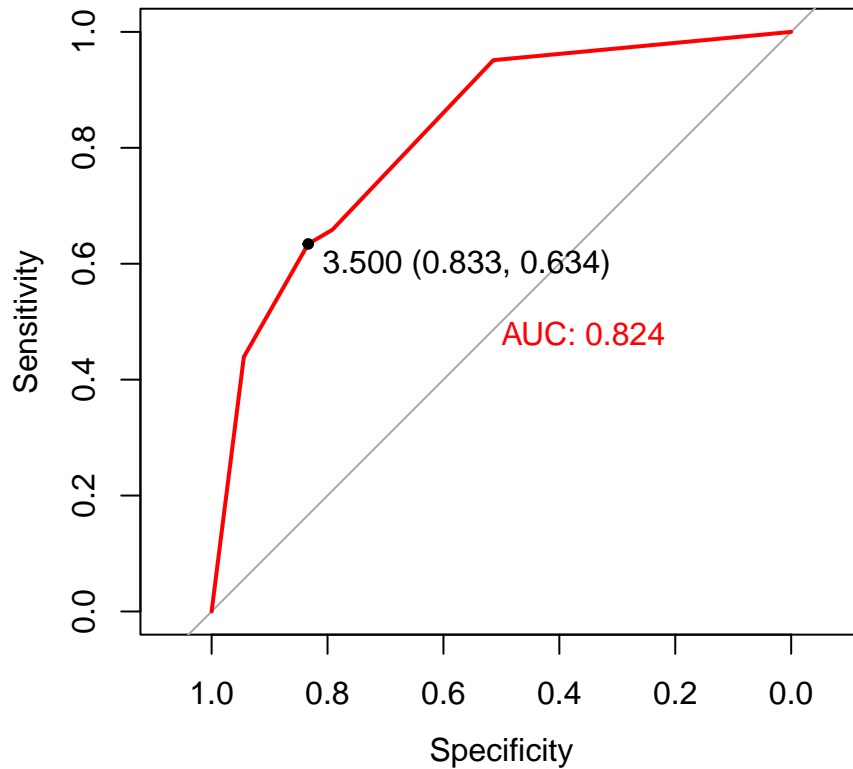


Figure 3: ROC curves for all three markers

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