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A R T I C L E   I N F O

S U M M A R Y

Background and aims:

Methods: 6359 ... 2012 ... 2019 ...

Results: ... (46.5% ... 61.0% ... 83.0%; < .001). ... (45.7% ... 69.1%; < .001). ... 10.3% (, 1.103; 95% , 1.072−1.136; < .001). ... (, 1.114; 95% , 1.072−1.157; < .001) (, 1.125; 95% , 1.060−1.193; < .001).

Conclusions:

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* ... 100038, ...
E-mail address: ... (.).

[3–5]. W

[6–8].

[9,10].

[11,12].

[13–15].

W

2.1. Patients

(: 1800020329),
40
2012 2019.
<24 ;
;
;
6 ;

2.2. Data collection and follow-up

(30, 2020)

2.3. Outcomes

fi

[16] ;
fi
3 .

2.4. Statistical analysis

±

−W
fi

fl

95% fi ( )

W

P < 0.05
4.0.5 (:// . - .).

3.1. Measurements of serum systemic inflammation biomarkers

fl
fl
i-i fl .W ifi 5
:
,

i-i fl
fl
(1
). fl
1
fl
(2),
(/) × (/μ)/ (/μ)

(, 0.649;   -   , 0.648).

3.2. Clinicopathological characteristics

6359

(3   ).   , 3842
(60.4%)   2517 (39.6%)   ,
       59.40 ± 11.24   .
            ifi   16.
           , 3542 (55.7%)   ,
2817 (44.3%)   .   ifi

> 0.05, * − < 0.05, **** − < 0.001.

(, 4.807; 95% , 3.295−7.011; P < .001).

(, 2.021; 95% , 1.809−2.258; P < .001) (6 ,).
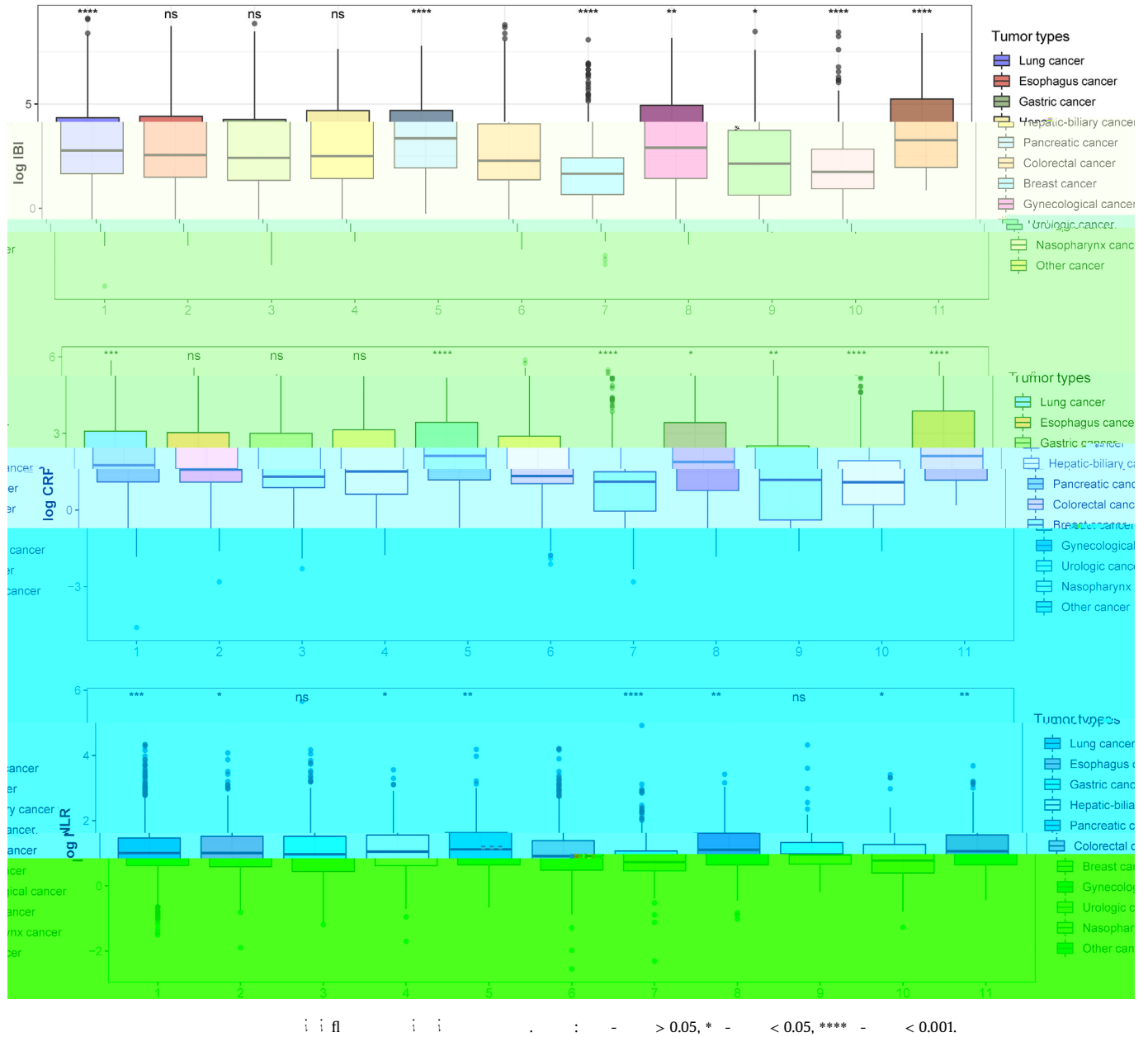
3.7. Combination of inflammatory burden and nutrition in the prognosis assessment

(12). , fl 33.1% . fl − (, 2.260; 95% , 2.018−2.531; P < .001) (6 , −). , fl

3.8. Randomized internal validation

(4452) (1907), 7:3 − (7). ifi (3). − (, 1.114; 95% , 1.072−1.157; − P < .001) (, 1.125; 95% , 1.060−1.193; − P < .001) (2). (13).
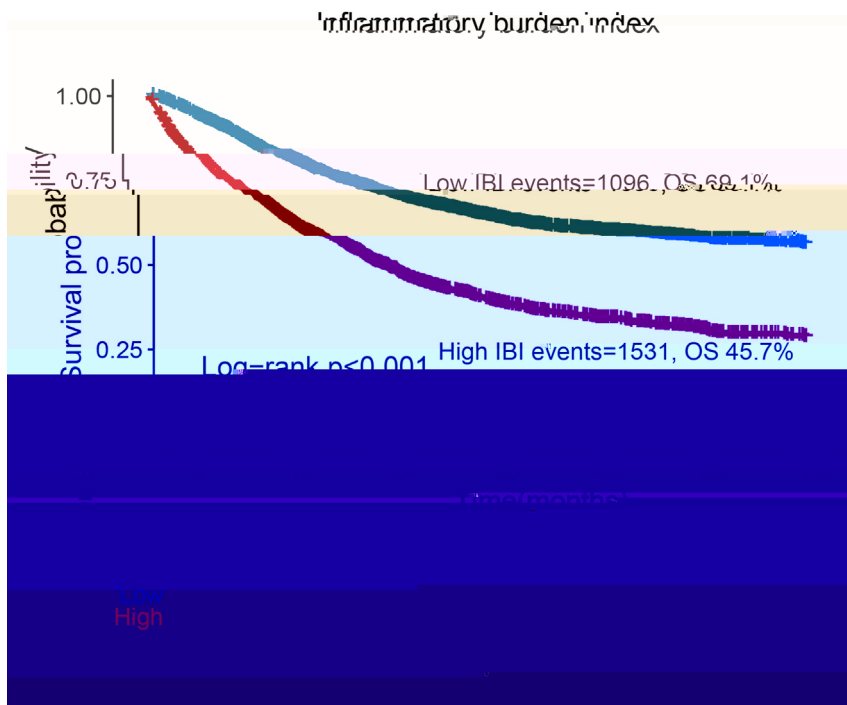
	1.145 (1.113,1.178)	<0.001	1.097 (1.065,1.129)	<0.001	1.103 (1.072,1.136)	<0.001
		<0.001		<0.001		<0.001
1 (<16)						
2 (≥16)	2.342 (2.166,2.531)		1.829 (1.69,1.98)		1.706 (1.574,1.85)	
1 (<4.08)						
2 (4.08−11.37)	1.373 (1.209,1.559)	<0.001	1.207 (1.062,1.371)	0.004	1.154 (1.015,1.311)	0.029
3 (11.37−65.47)	2.238 (1.988,2.519)	<0.001	1.670 (1.481,1.883)	<0.001	1.520 (1.347,1.716)	<0.001
4 (≥65.47)	3.239 (2.891,3.63)	<0.001	2.342 (2.085,2.63)	<0.001	2.128 (1.892,2.395)	<0.001
		<0.001		<0.001		<0.001

A Internal validation a

Low IBI events=782, OS 68.1%

Log-rank p<0.001 High-risk events=1011, OS 45.4%

B Internal validation b

Low IBI events=314, OS 71.2%

Log-rank p<0.001
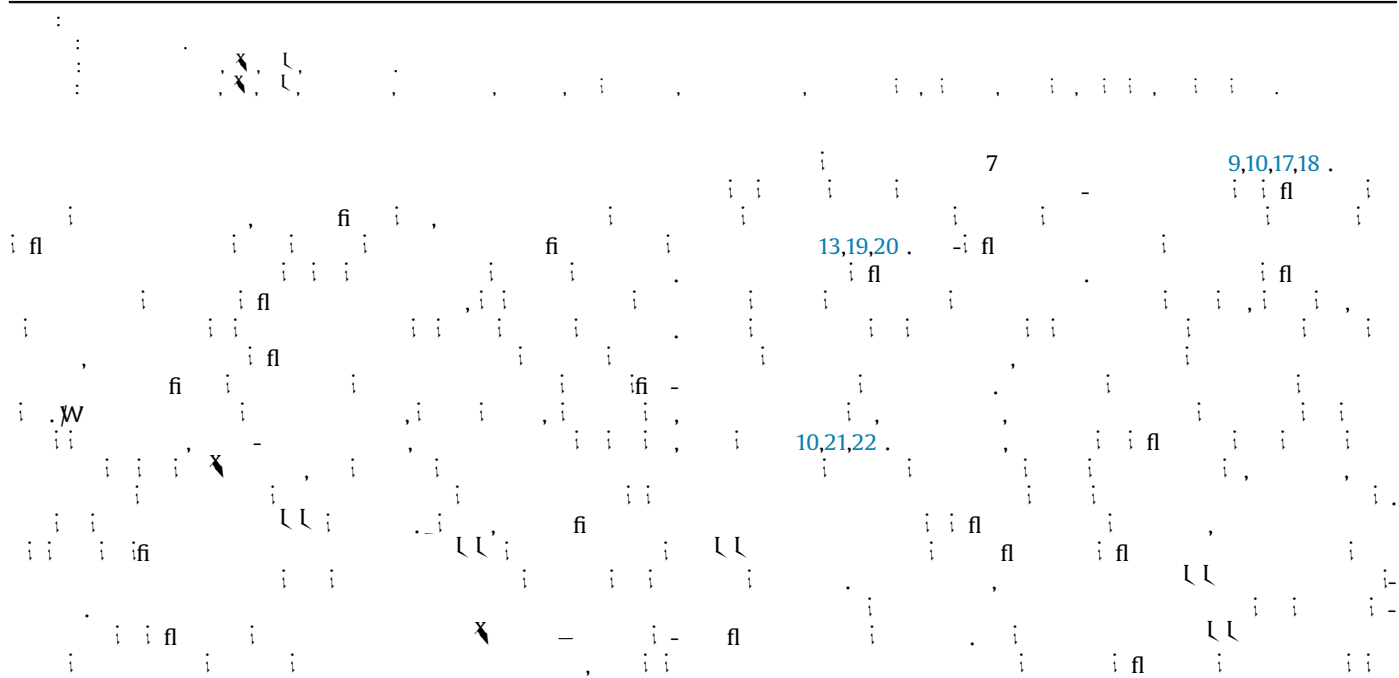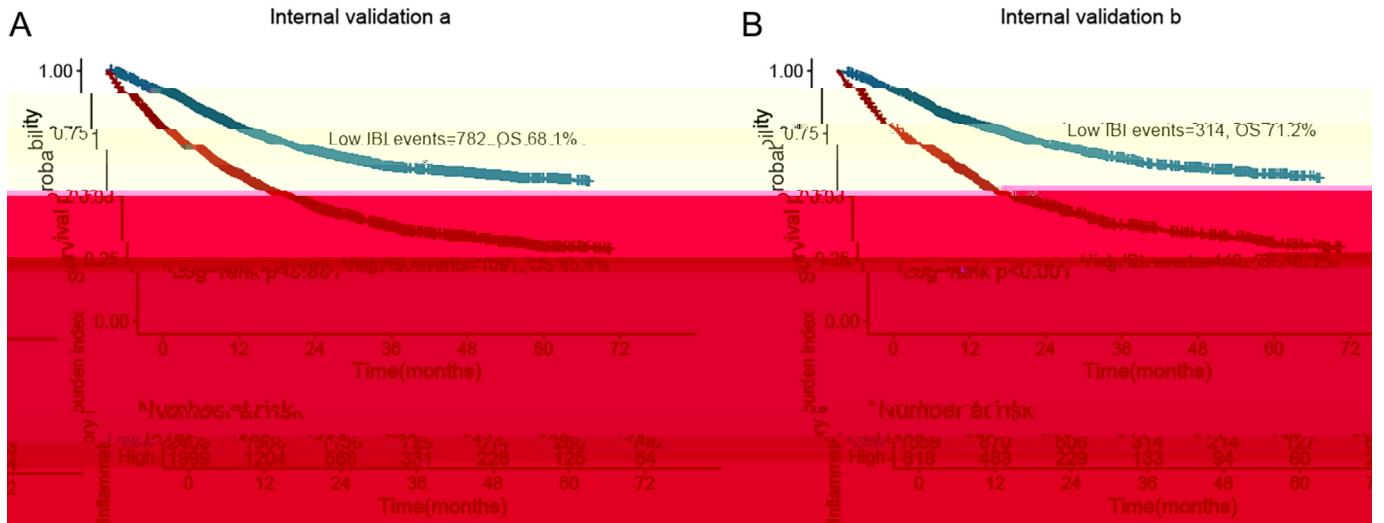
1.165 (1.122,1.209)	<0.001	1.103 (1.063,1.145)	<0.001	1.114 (1.072,1.157)	<0.001
	<0.001		<0.001		<0.001
1 (<16)					
2 (≥16) 2.283 (2.082,2.504)		1.789 (1.629,1.965)		1.666 (1.514,1.832)	
1 (<4.16)					
2 (4.16−11.88) 1.369 (1.178,1.591)	<0.001	1.163 (1,1.353)	0.05	1.110 (0.954,1.292)	0.178
3 (11.88−69.09) 2.263 (1.967,2.604)	<0.001	1.655 (1.436,1.907)	<0.001	1.495 (1.295,1.725)	<0.001
4 (≥69.09) 3.209 (2.803,3.675)	<0.001	2.286 (1.991,2.625)	<0.001	2.078 (1.807,2.391)	<0.001
	<0.001		<0.001		<0.001
1.146 (1.087,1.209)	<0.001	1.116 (1.054,1.182)	<0.001	1.125 (1.060,1.193)	<0.001
	<0.001		<0.001		<0.001
1 (<16)					
2 (≥16) 2.485 (2.149,2.874)		1.924 (1.659,2.232)		1.800 (1.547,2.093)	
1 (<3.88)					
2 (3.88−10.44) 1.388 (1.091,1.767)	0.008	1.258 (0.987,1.602)	0.064	1.202 (0.942,1.533)	0.139
3 (10.44−59.47) 2.207 (1.764,2.760)	<0.001	1.698 (1.354,2.13)	<0.001	1.559 (1.240,1.961)	<0.001
4 (≥59.47) 3.525 (2.854,4.354)	<0.001	2.527 (2.036,3.136)	<0.001	2.273 (1.821,2.838)	<0.001
	<0.001		<0.001		<0.001

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