

**Supplementary Table 1 Patient characteristics and incidence of complications**

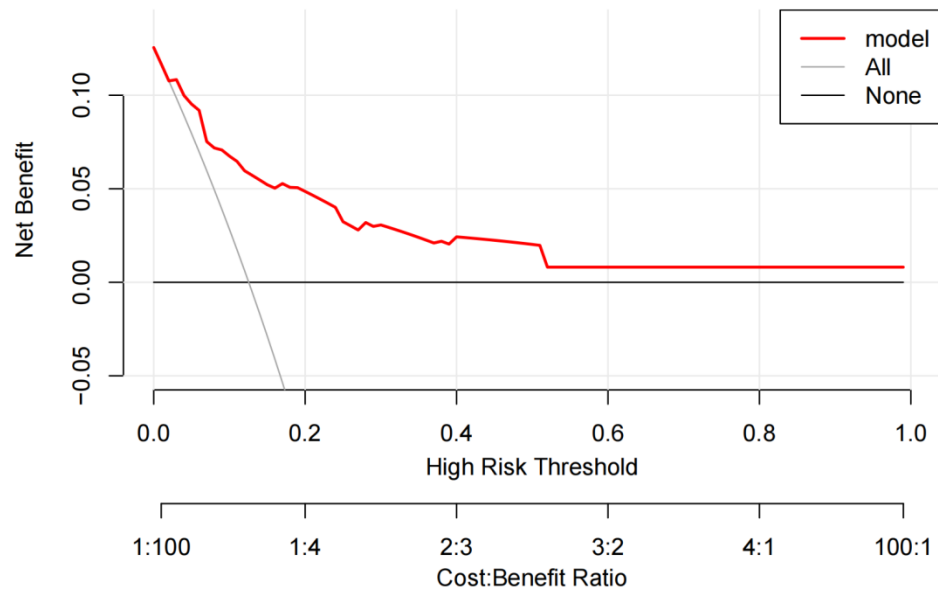
Variables	Complications ( <i>n</i> )		Incidence (%) <sup>1</sup>
	Yes	No	
Sex			
Male	19	144	11.66
Female	20	170	10.53
Surgical duration (h)			
<1	14	221	5.96
1-2	15	72	17.24
> 2	10	21	32.26
Hypertension			
No	38	283	11.84
Yes	1	31	3.13
Diabetes			
No	37	312	10.6
Yes	2	2	0.50
Histological type			
Leiomyoma	15	199	7.01
Stromal tumors	20	73	21.51
Schwannoma	2	6	25
Heterotopic pancreas	2	21	8.7
Cysts	0	6	0
Lipomas	0	9	0
Largest lesion diameter (cm)			
< 2	22	240	8.4
> 2	17	74	18.68
Surgical resection			

High-frequency	3	200	1.5
Electrocoagulation	13	72	15.29
Full-thickness	23	42	35.38
Medical history			
No	24	193	11.06
Medication	15	121	11.03
Lesion origin layer			
Non-intrinsic muscle	5	158	3.07
Intrinsic muscle	34	156	17.89

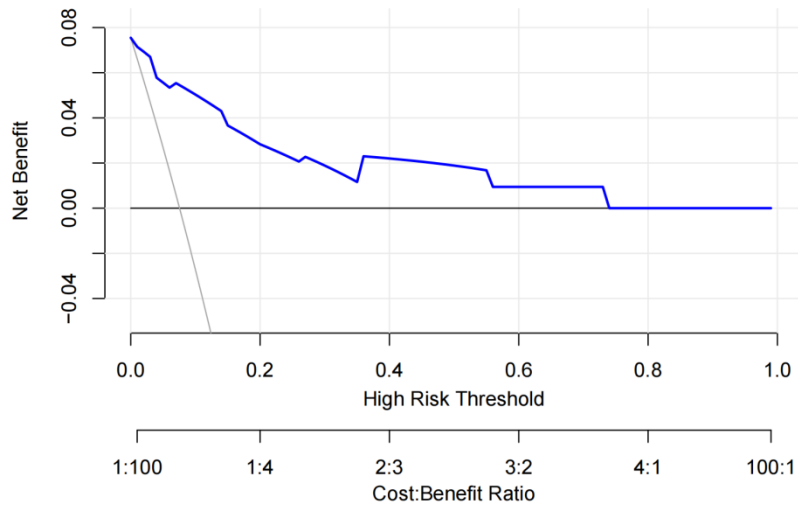
<sup>1</sup>Ratio (%) of patients with complications within each category.

**Supplementary Figure 1 Clinical decision curves of gas-related complications in training (a) and validation (b) groups.**

(a)



(b)



**Supplementary Figure 2 Schematic of patient exclusion process.**

