

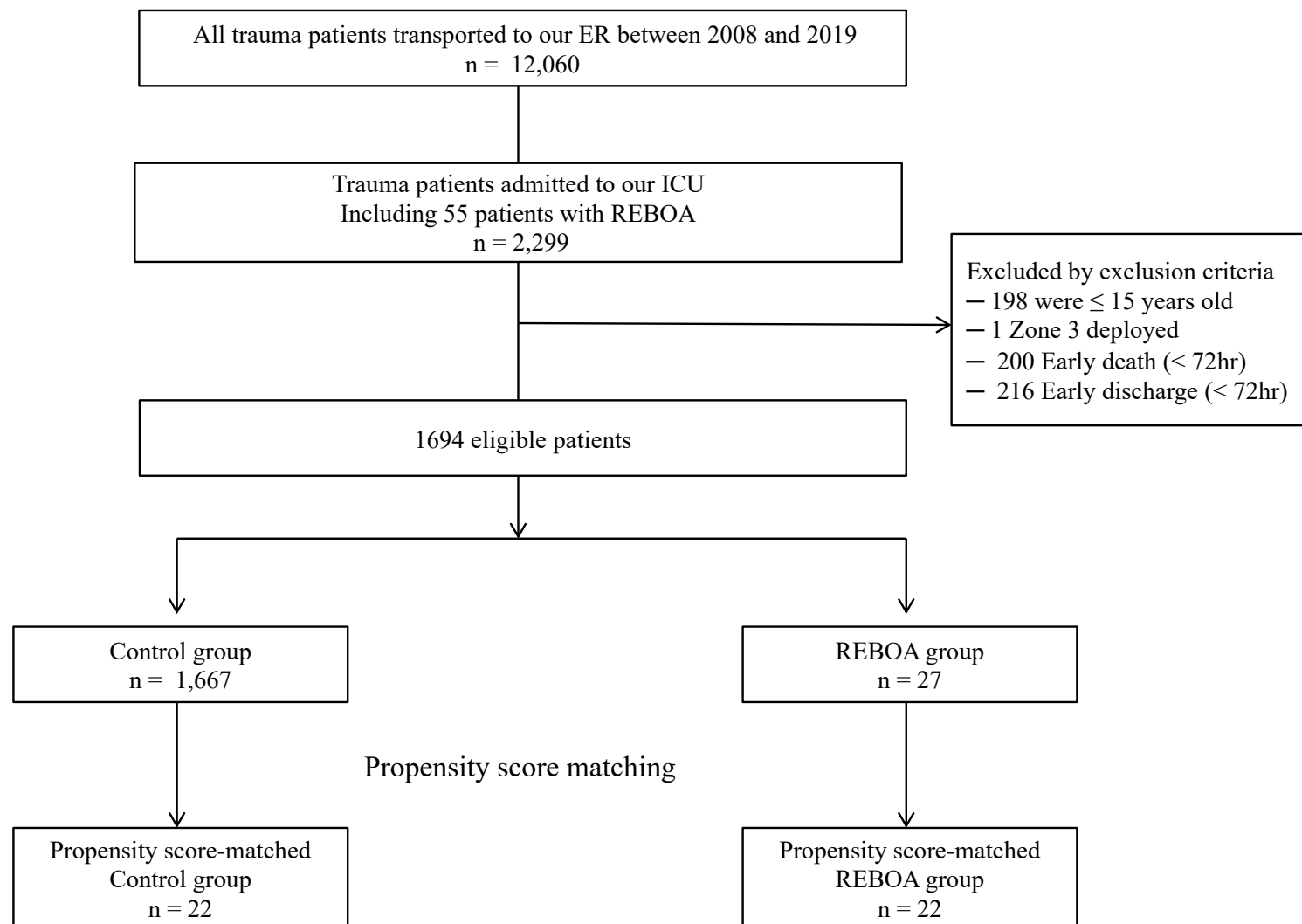
Supplemental Table 1. Gastrointestinal complications definitions

Gastrointestinal complication	Definition
Feeding intolerance	A delay (≥ 4 days after admittance) in reaching 30% of target goal energy with enteral feeding.
Ileus*	Radiographic finding with generalized distension of the intestine.
Diarrhea*	Three or more loose or liquid stools per day on 2 consecutive days.
Constipation*	The absence of stool for more than 3 days on 2 consecutive days.

*Only complications that occurred within 2 weeks after admittance were used.

Supplemental Figure 1. Flowchart of patients with splenic injury.

ER, Emergency room; ICU, intensive care unit; REBOA, resuscitative endovascular balloon occlusion of the aorta.



Supplemental Table 2.

Table. Demographic Characteristics of All Patients Before Propensity Score Matching With or Without REBOA

	REBOA (n = 27)	No-REBOA (n = 1667)	<i>p</i>	Standardized Difference
Patient characteristics				
Male, n (%)	22 (81.5)	1180 (70.8)	0.287	0.253
Age, (y)	40 (25-50)	55 (38-72)	0.001	-0.636
Age ≥ 65 (y), n (%)	4 (14.8)	634 (38.0)	0.015	-0.546
BMI	21 (18-24)	22 (20-25)	0.015	0.521
Blunt mechanism, n (%)	24 (88.9)	1567 (94.0)	0.223	-0.184
REBOA placement zone, n (%)				
Zone 1	19 (70.4)	-	-	-
Zone 2	8 (29.6)	-	-	-
ISS	34 (18-45)	16 (9-25)	<0.001	1.421
ISS ≥ 25, n (%)	20 (74.1)	433 (26.2)	<0.001	1.097
SBP < 80 mmHg, n (%)	14 (51.9)	83 (5.0)	<0.001	1.216
GCS < 9, n (%)	13 (48.1)	238 (15.0)	<0.001	0.785
Associated injury				
Head AIS ≥ 3, n (%)	9 (33.3)	613 (36.8)	0.841	-0.072
Chest AIS ≥ 3, n (%)	14 (51.9)	578 (34.7)	0.069	0.352
Abdomen AIS ≥ 3, n (%)	16 (59.3)	160 (9.6)	<0.001	1.226
Pelvis and lower extremity AIS ≥ 3, n (%)	12 (44.4)	413 (24.8)	0.025	0.423
Bowel and mesenteric injury, n (%)	3 (11.1)	59 (3.5)	0.073	0.293
Emergency surgery				
Craniotomy, n (%)	1 (3.7)	109 (6.5)	1	-0.129
Thoracotomy, n (%)	4 (14.8)	23 (1.4)	<0.001	0.508
Celiotomy, n (%)	14 (51.9)	80 (4.8)	<0.001	1.224
Angioembolization, n (%)	19 (70.4)	186 (11.2)	<0.001	1.510

Continuous variables are presented as median (IQR). Categorical variables are presented as number (%).

SBP: systolic blood pressure, HR: heart rate, GCS: Glasgow Coma Scale, ISS: injury severe score, IVC:

inferior vena cava, AIS: Abbreviated Injury Scale.

Supplemental Table 3.

Table. Clinical Outcomes of All Patients Before Propensity Score Matching With or Without REBOA

	REBOA (n = 27)	No-REBOA (n = 1667)	<i>p</i>
Feeding intolerance, n (%)	19 (70.4)	338 (20.3)	<0.001
Parental nutrition, n (%)	5 (18.5)	83 (5.0)	<0.001
In hospital mortality, n (%)	2 (7.4)	89 (5.3)	0.657
Ventilator days (days)	5.0 (4.0-8.3)	0.0 (0.0-3.0)	<0.001
ICU length of stay (days)	17.0 (11.0-25.8)	7.0 (4.0-13.0)	<0.001
Length of stay (days)	52.0 (28.0-91.0)	20.0 (10.0-42.0)	<0.001

Continuous variables are presented as median (IQR). Categorical variables are presented as number (%).

ICU: intensive care unit.