Video S1. Spraying porcine FS on the ESD wound of the esophagus. The esophagus ESD wound was examined after the lesion was completely dissected. Microvessels <0.3 mm were preserved. There was no perforation or damage to the muscle layer. The porcine FS was sprayed on the wound through a spray tube. A gel formed several seconds after mixing of the two components of porcine FS consisting of fibrinogen gel, lyophilized thrombin and catalyst solution of $CaCl_2$. ESD, endoscopic submucosal dissection; FS, fibrin sealant.

Table SI. Preservation of fibrin sealant 24 h after endoscopic submucosal dissection.

Preservation	0	≤50%	>50%	P-value[a]
Location				1.000
Lower	1 (5.6)	16 (88.9)	1 (5.6)	
Middle	2 (3.9)	47 (92.2)	2 (3.9)	
Upper	0 (0)	5 (100)	0 (0)	
Resection range				1.000
<3/4 circumferential	3 (5.5)	49 (89.1)	3 (5.5)	
≥3/4 circumferential	0 (0)	19 (100)	0 (0)	

[a]Kruskal-Wallis H-test. Values are expressed as n (%). Lower, lower third of esophagus; Middle, middle third of esophagus; Upper, upper third of esophagus.

Table SII. Univariate regression analysis for good 1-month healing rate in all patients (n=150) and in subgroups.

Variable	Population	OR	95% CI	P-value
Use of FS	Total population (n=150)	3.018	1.492-6.103	<0.05
Resection range <3/4 circumference	Total population (n=150)	9.953	3.688-26.858	<0.05
Use of FS	Subgroup with resection range <3/4 circumference (n=123)	12.889	3.659-45.398	<0.05
Use of FS	Subgroup with resection range ≥3/4 circumference (n=27)	2.450	0.243-25.717	0.441

OR, odds ratio; CI, confidence interval; FS, fibrin sealant.

Table SIII. Univariate regression analysis for stricture in all patients (n=150).

Variables	OR	95% CI	P-value
Use of FS	3.265	0.637-16.726	>0.05
Resection range ≥3/4 circumference	1[a]	-	-

[a]Resection range ≥3/4 circumference predicts stricture perfectly, since patients who developed stricture all presented with a larger resection range (≥3/4 circumference).

Table SIV. Multivariate regression analysis for stricture in all patients (n=150).

Variable	OR	95% CI	P-value
Use of FS	2.003	0.337-11.894	0.445
Age, continuous	0.998	0.886-1.124	0.975
Location			0.130
Middle vs. lower	1.652	0.163-16.743	0.671
Upper vs. lower	11.981	0.739-194.183	0.081
Circumferential resection	13.707	2.504-75.024	0.003

OR, odds ratio; FS, fibrin sealant; Lower, lower third of esophagus; Middle, middle third of esophagus; Upper, upper third of esophagus.

Table SV. Stricture rates for different 1-month ulcer healing grades (≥3/4 circumferences, n=27).

Healing grade	Stricture (n=8)	No stricture (n=19)	P-value[a]
Poor	5 (62.5)	9 (47.4)	0.954
Moderate	0 (0)	7 (36.8)	
Good	3 (37.5)	3 (15.8)	

[a]Mann-Whitney U rank-sum test, comparing the difference of distribution of one-month healing outcome in stricture and non-stricture groups. Values are expressed as n (%).