

Table S1 Characteristics of the eight patients who received simple fluid infusion therapy

No.	Age (years)	Sex	Fistula location	Type of EF	BMI (kg/m ²)	HB (g/L)	ALB (g/L)	Group	Continued RT	RT dose (Gy)	Fistula closed	Survival (months)
1	69	Female	Upper	TEF	21.8	107.2	34.8	Fistula during primary RT	No	23.4	No	1.3
2	69	Male	Middle	EMF	20.4	120.5	37.6	Fistula post-primary RT	–	50.4	No	2.2
3	64	Male	Upper	EMF	17.8	99	30.1	Fistula post-primary RT	–	60.2	No	4.1
4	68	Male	Middle	EMF	18	117.7	36.7	Fistula post-primary RT	–	60	No	3.1
5	76	Female	Middle	TEF	31.2	90	30.4	Fistula during reirradiation	No	36	No	0.5
6	77	Female	Middle	EMF	16.9	105.8	32.3	Fistula during reirradiation	No	19.8	No	1.1
7	72	Male	Middle	EMF	26.1	161.9	35.8	Fistula during reirradiation	No	22	No	0.3
8	76	Female	Middle	TEF	18.4	102	28.1	Fistula post-reirradiation	–	54	No	0.1

Survival: post-fistula survival time. ALB, albumin; BMI, body mass index; EF, esophageal fistula; EMF, esophagomediastinal fistula; HB, hemoglobin; RT, radiotherapy; TEF, tracheoesophageal fistula.

Table S2 Characteristics of the 21 patients who developed EF during primary RT

No.	Age (years)	Sex	Fistula location	Type of EF	BMI (kg/m ²)	HB (g/L)	ALB (g/L)	Nutritional status	Continued RT	RT dose (Gy)	Fistula closed	Survival (months)
1	62	Male	Upper	EMF	14.4	114	33.9	Worse	No	5.4	No	2.9
2	64	Male	Middle	TEF	18.7	109	32.8	Better	No	21.6	No	3.5
3	54	Male	Lower	EMF	17.4	104.8	27	Worse	Yes	59.4	No	3.4
4	69	Female	Upper	TEF	21.8	107.2	34.8	Better	No	23.4	No	1.3
5	62	Male	Middle	EMF	22.1	108.2	38.3	Better	Yes	60	Yes	7.8
6	62	Male	Upper	TEF	18	124.4	29.6	Worse	No	28	No	0.7
7	60	Male	Upper	EMF	23.2	114.5	25.2	Worse	No	23.1	Yes	5.1
8	75	Male	Middle	EMF	17.1	131	27.5	Worse	No	28.8	No	5
9	64	Male	Middle	EMF	23.2	112.5	34.1	Better	Yes	66	Yes	6.6
10	71	Female	Middle	EMF	23.4	132.3	38.1	Better	Yes	50.4	Yes	4.6
11	48	Male	Middle	TEF	22	113.5	36.9	Better	No	9	No	6.5
12	61	Male	Upper	EMF	26	134	38.7	Better	No	28	Yes	29.3
13	85	Female	Middle	TEF	20.8	128	36.2	Better	No	27	No	8.5
14	41	Male	Upper	EMF	21	110.8	26.6	Worse	No	25.5	No	0.3
15	66	Male	Upper	TEF	19.1	98.7	31.4	Better	Yes	48.6	No	3.5
16	58	Female	Upper	EMF	22.7	127	41.2	Better	No	37.8	Yes	6
17	40	Male	Lower	EMF	20.9	73	28	Worse	No	30	No	0.1
18	68	Female	Middle	EMF	21.3	100	27.7	Worse	Yes	60	Yes	4.3
19	59	Male	Middle	EMF	27.2	143	37.9	Better	Yes	61.2	Yes	10.5
20	64	Male	Middle	EMF	24.8	107	35	Better	Yes	64.8	Yes	18.6
21	62	Female	Middle	TEF	19.7	109	32.7	Better	Yes	52	Yes	29

Survival: post-fistula survival time. Better nutritional status meeting at least two of the criteria (HB $\geq$ 120 g/L, ALB $\geq$ 30 g/L, BMI $\geq$ 18.5 kg/m²). Worse nutritional status meeting one or none of the criteria. ALB, albumin; BMI, body mass index; EF, esophageal fistula; EMF, esophagomediastinal fistula; HB, hemoglobin; RT, radiotherapy; TEF, tracheoesophageal fistula.