

Table SI. Surgical site infection definitions.

Type	Definition
Superficial incisional SSI	Infection occurs within 30 days after the operation; and infection involves only skin or subcutaneous tissue of the incision; and at least one of the following:
	1. Purulent drainage, with or without laboratory confirmation, from the superficial incision.
	2. Organisms isolated from an aseptically obtained culture of fluid or tissue from the superficial incision.
	3. At least one of the following signs or symptoms of infection: Pain or tenderness, localized swelling, redness or heat, and superficial incision is deliberately opened by surgeon, unless incision is culture-negative.
	4. Diagnosis of superficial incisional SSI by the surgeon or attending physician.
	Do not report the following conditions as SSI:
	1. Stitch abscess (minimal inflammation and discharge confined to the points of suture penetration).
	2. Infection of an episiotomy or newborn circumcision site.
	3. Infected burn wound.
	4. Incisional SSI that extends into the fascial and muscle layers (see deep incisional SSI).
Deep incisional SSI	Infection occurs within 30 days after the operation if no implant is left in place or within 1 year if implant is in place; and the infection appears to be related to the operation; and infection involves deep soft tissues (e.g., fascial and muscle layers) of the incision; and at least one of the following:

	1. Purulent drainage from the deep incision but not from the organ/space component of the surgical site.
	2. A deep incision spontaneously dehisces or is deliberately opened by a surgeon when the patient has at least one of the following signs or symptoms: fever (>38°C), localized pain, or tenderness, unless site is culture-negative.
	3. An abscess or other evidence of infection involving the deep incision is found on direct examination, during reoperation, or by histopathologic or radiologic examination.
	4. Diagnosis of a deep incisional SSI by a surgeon or attending physician.

Table SII. Laboratory examination.

A, White blood cell (normal range, 3300-8600)									
Examination	Patient number							Average	P-value
	1	2	3	4	5	6	7		
Initial presentation	14610	14820	11310	6200	5820	8530	9890	10169	
1 week after surgery	8120	7150	13810	3700	7060	4830	6940	7373	0.26
2 weeks after surgery	5770	7570	10230	3200	6080	5570	6880	6471	0.15
3 weeks after surgery	6220		8400						
4 weeks after surgery		16990	6750						
5 weeks after surgery		8430	6240						
6 weeks after surgery		5340							

B, C-reactive protein (normal range, 0-0.15)									
Examination	Patient number							Average	P-value
	1	2	3	4	5	6	7		
Initial presentation	13.1	27.7	0.11	2.3	0.13	15.1	0.2	8.4	
1 week after surgery	4.8	0.95	0.67	0.7	6.6	0.97	1.2	2.3	0.75
2 weeks after surgery	1.2	0.49	6.3	0	0.81	0.23	0.25	1.3	0.63
3 weeks after surgery	0.15		0.28						
4 weeks after surgery		12.9	0.09						
5 weeks after surgery		0.72	0.11						
6 weeks after surgery		0.22							
C, Hemoglobin (normal range, 13.7-16.8)									

Examination	Patient number							Average	P-value
	1	2	3	4	5	6	7		
Initial presentation	8.7	8.2	13.8	13.1	12.2	9.5	14.4	11.4	
1 week after surgery	10.3	9.4	10.6	10	9.1	10	13.7	10.4	0.34
2 weeks after surgery	11	10.1	9.8	11.4	9.5	11.4	14.2	11.1	0.57
3 weeks after surgery	11		10.7						
4 weeks after surgery		10	10.4						
5 weeks after surgery		9.5	10.2						
6 weeks after surgery		9.7							
D, Blood urea nitrogen (normal range, 8-20)									

Examination	Patient number							Average	P-value
	1	2	3	4	5	6	7		
Initial presentation	9.7	43.5	11.7	20.7	15.5	13.7	14.2	18.4	
1 week after surgery	7	5.4	17.6	19.8	17.4	11.5	12.9	13.1	0.42
2 weeks after surgery	7.2	8.3	10.2	15.4	22.2	13.6	12.8	12.8	0.20
3 weeks after surgery	11		13.3						
4 weeks after surgery		5.8	13.2						
5 weeks after surgery		6	12						
6 weeks after surgery		6.9							
E, Creatinine (normal range, 0.65-1.07)									

Examination	Patient number							Average	P-value
	1	2	3	4	5	6	7		
Initial presentation	0.63	0.96	0.63	0.53	0.92	0.93	0.84	0.78	
1 week after surgery	0.46	0.24	0.65	0.45	0.72	0.72	0.77	0.57	0.11
2 weeks after surgery	0.55	0.28	0.52	0.51	0.9	0.88	0.73	0.62	0.11
3 weeks after surgery	0.64		0.52						
4 weeks after surgery		0.31	0.56						
5 weeks after surgery		0.29	0.6						
6 weeks after surgery		0.26							
F, Albumin (normal range, 4.1-5.1)									

Examination	Patient number							Average	P-value
	1	2	3	4	5	6	7		
Initial presentation	2.4	1.6	3.7	3.9	3.8	2.5	4.7	3.2	
1 week after surgery	2	2.4	2.4	3.2	2.6	2.1	3.8	2.6	0.23
2 weeks after surgery	2.5	3	2.1	3.7	3.2	2.9	4.6	3.1	0.57
3 weeks after surgery	2.8		2.5						
4 weeks after surgery		2.1	2.8						
5 weeks after surgery		2.4	2.9						
6 weeks after surgery		3							
G, Alanine aminotransferase (normal range, 10-42)									

Examination	Patient number							Average	P-value
	1	2	3	4	5	6	7		
Initial presentation	14	24	17	6	12	38	23	19	
1 week after surgery	82	57	32	7	33	21	25	37	0.26
2 weeks after surgery	30	82	19	8	15	14	26	28	0.87
3 weeks after surgery	20		42						
4 weeks after surgery		34	30						
5 weeks after surgery		24	30						
6 weeks after surgery		23							
H, Aspartate aminotransferase (normal range, 13-30)									

Examination	Patient number							Average	P-value
	1	2	3	4	5	6	7		
Initial presentation	17	56	19	11	17	22	21	23	
1 week after surgery	98	96	33	20	27	23	21	45	0.13
2 weeks after surgery	24	46	15	22	19	17	16	23	0.69
3 weeks after surgery	22		32						
4 weeks after surgery		42	18						
5 weeks after surgery		22	20						
6 weeks after surgery		27							
I, Total bilirubin (normal range, 0.4-1.5)									

Examination	Patient number							Average	P-value
	1	2	3	4	5	6	7		
Initial presentation	0.47	2.3	1.1	0.55	0.72	0.88	0.83	0.98	
1 week after surgery	0.32	0.6	0.61	0.49	1.28	0.36	0.5	0.59	0.14
2 weeks after surgery	0.34	0.69	0.4	0.68	0.61	0.41	0.42	0.51	0.04
3 weeks after surgery	0.4		0.48						
4 weeks after surgery		0.52	0.64						
5 weeks after surgery		0.3	0.66						
6 weeks after surgery		0.36							