

Table 3 Comparison of Demographic Variables and Wound Complication of Patient Undergoing Surgery Less Than 10 Days and \geq 10 Days

Variables	Surgery < 10 days (83 patients)	Surgery \geq 10 days (35 patients)	<i>P</i> value
Age (years, mean \pm SD)	45 \pm 17	51 \pm 18	.081 ^b
Gender: Female (n,%)	53, 63.9%	15, 42.9%	.035 ^a
Side (Left) (n,%)	41, 49.4%	21, 60%	.292 ^a
ASA score (n,%)			.492 ^a
- ASA 1	26, 31.3%	11, 31.4%	
- ASA 2	49, 59.0%	18, 51.4%	
- ASA 3	8, 9.6%	6, 17.1%	
BMI (median, IQR)	28.89, 25.24-34.88	27.64, 26.26-31.49	.501 ^c
Diabetes (n,%)	13, 15.7%	1, 2.9%	.049 ^a
Tobacco usage (n,%)			.594 ^a
- Never	62, 74.7%	23, 65.7%	
- Past smoker	15, 18.1%	9, 25.7%	
- Current smoker	6, 7.2%	3, 8.6%	
Weber classification (n,%)	0	0	.441 ^a
- Type A	56, 67.5%	27, 77.1%	
- Type B	25, 30.1%	8, 22.9%	
- Type C	2, 2.4%	0, 0%	
- High type C			
Type of fracture (n,%)			.749 ^a
- Unimalleolar	3, 3.6%	1, 2.9%	
- Bimalleolar equivalent	31, 37.3%	16, 45.7%	
- Bimalleolar	35, 42.2%	13, 37.1%	
- Trimalleolar	14, 16.9%	5, 14.3%	
Syndesmosis injury (n,%)	23, 27.7%	8, 22.9%	.584 ^a
Present of fracture-dislocation (n,%)	29, 34.9%	4, 11.4%	.009 ^a
Time from injury to surgery (days, median, IQR)	5, 3-7	13, 12-19	<.05 ^c
Type of fibular fixation (n,%)			.362 ^a
- Posterior plating	64, 77.1%	30, 85.7%	
- Lateral plating	16, 19.3%	3, 8.6%	
- Dual plating	2, 2.4%	2, 5.7%	
- Intramedullary screw	1, 1.2%	0, 0%	

Operative time (minutes, median, IQR)	98, 64-168	88, 53-146	.278 ^c
Postoperative stay (days, median, IQR)	1, 0-3	0, 0-2	.033 ^c
Admission status (n,%)			.013 ^a
- Outpatient	27, 32.5%	20, 57.1%	
- Inpatient	56, 67.5%	15, 42.9%	
Subsequent complication (n, %)	2, 2.4%	4, 11.4%	.485 ^a
- Wound complication	1, 1.2%	0, 0%	
- Deep venous Thrombosis	1, 1.2%	0, 0%	
- Neurapraxia	1, 1.2%	0, 0%	
- Surgical site infection	1, 1.2%	0, 0%	
- Nonunion			
- Posttraumatic arthritis			
Wound complication (n, %)	1, 1.2%	3, 8.6%	.178 ^a
- Wound erythema	1, 1.2%	1, 2.9%	
- Wound dehiscence	0, 0%	0, 0%	
- Wound swelling	1, 1.2%	0, 0%	
- Surgical site infection			
Subsequent operation (n,%)	17, 20.5%	4, 11.4%	.576 ^a
- Hardware removal	1, 1.2%	0, 0%	
- Debridement	1, 1.2%	0, 0%	
- Osteophyte resection	1, 1.2%	0, 0%	
- Replacement			

^a Analysis performed using Chi-square test

^b Analysis performed using independent t-test

^c Analysis performed using Mann Whitney U test

IQR = Interquartile Range

Table 4 Comparison of Demographic Variables and Wound Complication of Patient Undergoing Surgery Less Than 7 Days and \geq 7 Days

Variables	Surgery < 7 days (57 patients)	Surgery \geq 7 days (61 patients)	<i>P</i> value
Age (years, mean \pm SD)	48 \pm 18	46 \pm 17	.570 ^b
Gender: Female (n,%)	38, 66.7%	30, 49.2%	.055 ^a
Side (Left) (n,%)	31, 54.4%	31, 50.8%	.698 ^a
ASA score (n,%)			.757 ^a

- ASA 1	16, 28.1%	21, 34.4%	
- ASA 2	34, 59.6%	33, 54.1%	
- ASA 3	7, 12.3%	7, 11.5%	
BMI (median, IQR)	29.29, 25.61-34.97	27.89, 25.83-31.26	.175 ^c
Diabetes (n,%)	13, 22.8%	1, 1.6%	<0.05 ^a
Tobacco usage (n,%)			.566 ^a
- Never	41, 71.9%	44, 72.1%	
- Past smoker	13, 22.8%	11, 18%	
- Current smoker	3, 5.3%	6, 9.8%	
Weber classification (n,%)	0	0	.998 ^a
- Type A	40, 70.2%	43, 70.5%	
- Type B	16, 28.1%	17, 27.9%	
- Type C	1, 1.7%	1, 1.6%	
- High type C			
Type of fracture (n,%)			.594 ^a
- Unimalleolar	1, 1.8%	3, 4.9%	
- Bimalleolar equivalent	21, 36.8%	26, 42.6%	
- Bimalleolar	26, 45.6%	22, 36.1%	
- Trimalleolar	9, 15.8%	10, 16.4%	
Syndesmosis injury (n,%)	18, 31.6%	13, 21.3%	.205 ^a
Present of fracture-dislocation (n,%)	23, 40.4%	10, 16.4%	.004 ^a
Time from injury to surgery (days, median, IQR)	4, 2-5	11, 8-15	<0.05 ^c
Type of fibular fixation (n,%)	44, 77.2%	50, 82.0%	.632 ^a
- Posterior plating	11, 19.3%	8, 13.1%	
- Lateral plating	2, 3.5%	2, 3.3%	
- Dual plating	0, 0%	1, 1.6%	
- Intramedullary screw			
Operative time (minutes, median, IQR)	95, 66-155	91, 55-153	.419 ^c
Postoperative stay (days, median, IQR)	2, 1-3	0, 0-2	<.05 ^c
Admission status (n,%)			.001 ^a
- Outpatient	14, 24.6%	33, 54.1%	
- Inpatient	43, 75.4%	28, 45.9%	
Subsequent complication (n, %)	2, 3.5%	4, 6.6%	.442 ^a
- Wound complication	1, 1.8%	0, 0%	
- Deep venous Thrombosis	0, 0%	1, 1.6%	
	1, 1.8%	0, 0%	

- Neurapraxia	1, 1.8%	0, 0%	
- Surgical site infection	1, 1.8%	0, 0%	
-Pulmonary embolism	1, 1.8%	0,0%	
- Nonunion			
- Posttraumatic arthritis			
Wound complication (n, %)	1, 1.8%	3, 4.9%	.583 ^a
- Wound erythema	1, 1.8%	1, 1.6%	
- Wound dehiscence	0, 0%	0, 0%	
- Wound swelling	1, 1.8%	0, 0%	
- Surgical site infection			
Subsequent operation (n,%)	11, 19.3%	10, 16.4%	.463 ^a
- Hardware removal	1, 1.8%	0, 0%	
- Debridement	1, 1.8%	0, 0%	
- Osteophyte resection	1, 1.8%	0, 0%	
- Replacement			

^a Analysis performed using Chi-square test

^b Analysis performed using independent t-test

^c Analysis performed using Mann Whitney U test

IQR = Interquartile Range

Table 5 Comparison of Demographic Data and FAOS of 58 Patients Undergoing Surgery less than 10 days and ≥10 days

Variable	Surgery < 10 days (39 patients)	Surgery ≥ 10 days (19 patients)	<i>P</i> value
Age (years, mean ± SD)	43 ± 16	59 ± 14	<.05 ^b
Gender: Female (n,%)	25, 64.1%	11, 57.9%	.647 ^a
Side (Left) (n,%)	20, 51.3%	12, 63.2%	.393 ^a
ASA score (n,%)			.019 ^a
- ASA 1	10, 25.6%	3, 15.8%	
- ASA 2	28, 71.8%	11, 57.9%	
- ASA 3	1, 2.6%	5, 26.3%	
BMI (median, IQR)	27.26, 25.24-32.50	29.29, 26.30-33.91	.590 ^c
Diabetes (n,%)	3, 7.7%	1, 5.3%	.732 ^a
Tobacco usage (n,%)			.048 ^a
- Never	31, 79.5%	10, 52.6%	
- Past smoker	4, 10.3%	7, 36.8%	
- Current smoker	4, 10.3%	2, 10.5%	

Weber classification (n,%)	0	0	.300 ^a
- Type A	28, 71.8%	16, 84.2%	
- Type B	11, 28.2%	3, 15.8%	
- Type C	0, 0%	0, 0%	
- High type C			
Type of fracture (n,%)			.599 ^a
- Unimalleolar	1, 2.5%	0, 0%	
- Bimalleolar equivalent	12, 30.8%	5, 26.3%	
- Bimalleolar	14, 35.9%	10, 52.6%	
- Trimalleolar	12, 30.8%	4, 21.1%	
Syndesmosis injury (n,%)	4, 10.3%	4, 21.1%	.263 ^a
Present of fracture-dislocation (n,%)	15, 38.5%	3, 15.8%	.080 ^a
Time from injury to surgery (days, median, IQR)	5, 4-8	15, 13-19	<.05 ^c
Type of fibular fixation (n,%)			.832 ^a
- Posterior plating	34, 87.2%	17, 89.5%	
- Lateral plating	3, 7.7%	1, 5.3%	
- Dual plating	1, 2.6%	1, 5.3%	
- Intramedullary screw	1, 2.6%	0, 0	
Operative time (minutes, median, IQR)	133, 85-180	106, 69-166	.230 ^c
Postoperative stay (days, median, IQR)	1, 0-2	0, 0-2	.743 ^c
Admission status (n,%)			.643 ^a
- Outpatient	18, 46.2%	10, 52.6%	
- Inpatient	21, 53.8%	9, 47.4%	
Duration of follow-up (months, median, IQR)	39, 33-47	37, 32-46	.703 ^c
Subsequent operation (n,%)			.478 ^a
- Hardware removal	8, 20.5%	2, 10.5%	
- Debridement	1, 2.6%	0, 0%	
- Osteophyte resection	0, 0%	0, 0%	
- Ankle replacement	0, 0%	0, 0%	
Subsequent complication			.553 ^a
- Wound complication	1, 2.6%	2, 10.5%	
- Deep venous Thrombosis	1, 2.6%	0	
- Neurapraxia	1, 2.6%	0	
- Surgical site infection	1, 2.6%	0	

FAOS score median (IQR)	78.57, 64.29-	85.71, 67.86-100	.258 ^c
- Symptoms	89.29	84.72, 77.78-	.641 ^c
- Pain	91.67, 58.33-	97.22	.978 ^c
- Activities of daily living	97.22	88.24, 80.88-100	.850 ^c
- Sports	95.59, 76.47-100	80, 40-100	.836 ^c
- Quality of life	75, 40-95	53.13, 37.50-	
	62.50, 31.25-	87.50	
	81.25		

^a Analysis performed using Chi-square test

^b Analysis performed using independent t-test

^c Analysis performed using Mann Whitney U test

IQR Interquartile Range

Table 6 Comparison of Demographic Data and FAOS of 58 Patients Undergoing Surgery less than 7 days and ≥ 7 days

Variable	Surgery < 7 days (23 patients)	Surgery ≥ 7 days (35 patients)	<i>P</i> value
Age (years, mean \pm SD)	45 \pm 18	50 \pm 16	.219 ^b
Gender: Female (n,%)	14, 60.9%	22, 62.9%	.879 ^a
Side (Left) (n,%)	15, 65.2%	17, 48.6%	.212 ^a
ASA score (n,%)			.098 ^a
- ASA 1	5, 21.7%	8, 22.9%	
- ASA 2	18, 78.3%	21, 60%	
- ASA 3	0, 0%	6, 17.1%	
BMI (median, IQR)	26.57, 25.28- 32.50	27.80, 25.39- 33.30	.968 ^c
Diabetes (n,%)	3, 13%	1, 2.9%	.134 ^a
Tobacco usage (n,%)			.902 ^a
- Never	17, 73.9%	24, 68.6%	
- Past smoker	4, 17.4%	7, 20%	
- Current smoker	2, 8.7%	4, 11.4%	
Weber classification (n,%)	0	0	.779 ^a
- Type A	17, 73.9%	27, 77.1%	
- Type B	6, 26.1%	8, 22.9%	
- Type C	0, 0%	0, 0%	
- High type C			
Type of fracture (n,%)			.373 ^a
- Unimalleolar	0, 0%	1, 2.9%	
- Bimalleolar equivalent	9, 39.1%	8, 22.9%	
- Bimalleolar	7, 30.4%	17, 48.6%	
- Trimalleolar	7, 30.4%	9, 25.7%	

Syndesmosis injury (n,%)	3, 13%	5, 14.3%	.893 ^a
Present of fracture-dislocation (n,%)	11, 47.8%	7, 20%	.025 ^a
Time from injury to surgery (days, median, IQR)	4, 3-5	10, 8-15	<.05 ^c
Type of fibular fixation (n,%)	19, 82.6%	32, 91.4%	.373 ^a
- Posterior plating	3, 13%	1, 2.9%	
- Lateral plating	1, 4.3%	1, 2.9%	
- Dual plating	0, 0%	1, 2.9%	
- Intramedullary screw			
Operative time (minutes, median, IQR)	111, 85-181	123, 84-169	.668 ^c
Postoperative stay (days, median, IQR)	2, 0-3	0, 0-2	.079 ^c
Admission status (n,%)			.259 ^a
- Outpatient	9, 39.1%	19, 54.3%	
- Inpatient	14, 60.9%	16, 45.7%	
Duration of follow-up (months, median, IQR)	41, 33-55	37, 32-46	.356 ^c
Subsequent operation (n,%)	4, 17.4%	6, 17.1%	.459 ^a
- Hardware removal	1, 4.3%	0, 0%	
- Debridement	0, 0%	0, 0%	
- Osteophyte resection	0, 0%	0, 0%	
- Ankle replacement			
Subsequent complication	1, 4.3%	2, 5.7%	.436 ^a
- Wound complication	1, 4.3%	0, 0%	
- Deep venous Thrombosis	0, 0%	1, 2.9%	
- Neurapraxia	1, 4.3%	0, 0%	
- Surgical site infection			
FAOS score median (IQR)	82.4, 60.71-92.86	82.14, 67.86-	.708 ^c
- Symptoms	86.11, 52.78-100	96.43	.889 ^c
- Pain	95.59, 58.82-100	87.50, 75-94.44	.946 ^c
- Activities of daily living	67.50, 40-90	94.12, 82.35-100	.530 ^c
- Sports	62.50, 37.5-87.25	80, 40-100	.562 ^c
- Quality of life		56.25, 31.25-75	

^a Analysis performed using Chi-square test

^b Analysis performed using independent t-test

^c Analysis performed using Mann Whitney U test

IQR Interquartile Range

