

TABLE E-1 Wound Procedures Before and at the Time of Definitive Wound Closure*

	rhBMP-2/ACS (N = 139)	SOC (N = 138)
Before definitive wound closure (<i>no. [%]</i>)		
Irrigation and debridement	124 (89)	125 (91)
Partial wound closure	24 (17)	28 (20)
Temporary artificial skin coverage	6 (4)	8 (6)
Vacuum-assisted closure	4 (3)	2 (1)
Fasciotomy	3 (2)	3 (2)
Other	21 (15)	22 (16)
Mean time to definitive wound closure (<i>days</i>)	4.75	4.56
At definitive wound closure (<i>no. [%]</i>)		
Delayed primary closure	96 (69)	98 (71)
Primary closure	13 (9)	14 (10)
Coverage with skin mesh/graft	13 (9)	11 (8)
Coverage with muscle flap	7 (5)	7 (5)
Wound purposely left open to granulate	5 (4)	5 (4)
Coverage with fasciocutaneous flap	4 (3)	1 (<1)
Vacuum-assisted closure	3 (2)	2 (1)
Other	7 (5)	11 (8)

*Patients could have had more than one procedure or a single procedure more than once.

TABLE E-2 Characteristics of Definitive Fracture Fixation

	rhBMP-2/ACS (N = 139)	SOC (N = 138)
Median time after injury (<i>days</i>)	1.0	1.0
Mean nail diameter (<i>mm</i>)	10.1	10.1
Manufacturer (<i>no. [%]</i>)		
Smith & Nephew	61 (44)	65 (47)
Synthes AO	20 (14)	14 (10)
Howmedica/Stryker	44 (32)	45 (33)
Ace/DePuy	6 (4)	6 (4)
Other	8 (6)	7 (5)
Proximal locking screws (<i>no. [%]</i>)		
0	1 (1)	0
1	30 (22)	23 (17)
2	103 (74)	112 (81)
3	5 (4)	2 (1)
5	0	1 (1)
Distal locking screws (<i>no. [%]</i>)		
0	2 (1)	0
1	14 (10)	14 (10)
2	116 (83)	115 (83)
3	7 (5)	9 (7)
Ipsilateral fibular fracture (<i>no. [%]</i>)		
Fixation required*	16 (12)	11 (8)

*Generally performed at the same time as tibial nailing. (The median time from tibial nailing was 0 days.)

TABLE E-3 Secondary Procedures Promoting or Interfering with Fracture-Healing

	rhBMP-2/ACS (N = 139) (no. [%])	SOC (N = 138) (no. [%])
Patients with procedures*	16 (12)	17 (12)
Total procedures	23	21
Most invasive	7 (30)	12 (57)
Autogenous bone graft	1 (4)	3 (14)
Bone graft substitute	1 (4)	0
Fibular osteotomy	1 (4)	1 (5)
Intramedullary nail removal	2 (9)	1 (5)
Exchange nailing	1 (4)	5 (24)
Conversion to external fixator	1 (4)	2 (10)
Less invasive	14 (61)	9 (43)
Dynamization of intramedullary nail	12 (52)	9 (43)
Other	2 (9)	0
Noninvasive	2 (9)	0
External fixator adjustment	2 (9)	0

*Patients could have had more than one procedure.