

TABLE E-1 Data on the Patients*

Patient	Sex	Deformity	Age (yr)		Time Interval Between Disease and Operation (yr)	Duration of Follow-up (yr)	Postoperative Immobilization Period in a Cast (wk)	Postoperative Plantar Flexion of the Ankle Joint (deg)	Immediate Postoperative Complications
			At Operation	At Latest Follow-up					
1	F	Flail foot, pes equinovarus	23	50	21	27	32	15	Infection
2	M	Flail foot, pes cavus-valgus-equinus	16	48	15	32	16	0	None
3	M	Flail foot, pes equinovarus	21	49	20	28	14	0	None
4	M	Flail foot, pes equinovalgus	26	58	23.5	32	16	5	Hematoma
5	M	Flail foot	14	45	13	31	16	5	None
6	M	Flail foot, pes equinovarus	16	49	12	33	16	5	Hematoma
7	M	Flail foot, pes cavus-varus-equinus	23	50	20	27	20	5	Ulceration
8	M	Flail foot, pes valgus-calcaneus	22	52	18	30	22	5	None
9	M	Flail foot, pes equinus	16	63	14	47	20	0	None
10	M	Flail foot, pes cavus-valgus-calcaneus	27	74	24	47	18	0	None
11	M	Flail foot, pes cavus-equinus	17	62	15	45	18	5	None
12	M	Flail foot, pes varus	28	69	20	41	14	5	None
13	M	Flail foot, pes equinovarus	17	64	15	47	18	0	None
14	M	Flail foot, pes varus	22	70	19	48	16	0	Skin necrosis
15	M	Pes equinovarus	25	67	21	42	20	5	Skin necrosis

16	M	Flail foot, pes varus-cavus	27	62	5.5	35	22	5	Infection
17	M	Flail foot	20	65	17.5	45	16	5	Hematoma
18	M	Flail foot, pes varus-cavus	15	51	13.5	36	18	5	None
19	F	Flail foot, pes equinovarus	15	56	11	41	16	10	Skin necrosis
20	F	Pes calcaneus-valgus	20	47	17	27	18	15	None
21	F	Flail foot, pes cavus-equinus	14	46	11	32	14	15	Skin necrosis
22	F	Flail foot, pes equinovarus	20	48	18.5	28	14	10	None
23	F	Flail foot, pes cavus-equinus	22	69	15	47	20	15	Skin necrosis
24	F	Flail foot, pes cavus-equinus	15	59	13	44	14	20	None

TABLE E-2 “Pantalar Arthrodesis-Specific” Questionnaire Used to Evaluate Impact of Pantalar Arthrodesis on Patients’ Lives

Please answer the following questions having in mind your life following the pantalar arthrodesis. You are allowed to choose only one answer each time. Please do not leave any question unanswered! <i>Please Tick the Boxes!</i>							
1. Can you put on your shoes without assistance?	Yes		No				
2. Can you tie your shoelaces without assistance?	Yes		No				
3. Do you need specially-designed shoes?	Yes		No				
4. Do you use a walking aid?	Yes		No				
5. Can you drive a non-automatic car?	Yes		No				
6. Do you feel any pain arising from the site of your operation?	Yes		No				
<i>If you answered ‘Yes’ to the previous question please answer questions #7 and #8, otherwise go to question #9</i>							
7. Use the ‘1-10’ scale to rate the pain you are feeling arising from the site of your operation (1=minimum pain, 10=maximum pain)							
8. Since when do you feel pain arising from the site of your operation?							
9. Do you feel any pain arising from your ipsilateral knee?	Yes		No				
<i>If you answered ‘Yes’ to the previous question please answer questions #10 and #11, otherwise go to question #12</i>							
10. Use the ‘1-10’ scale to rate the pain you are feeling arising from your ipsilateral knee (1=minimum pain, 10=maximum pain)							
11. Since when do you feel pain arising from the ipsilateral knee?							
12. Do you feel any pain arising from your contralateral knee?	Yes		No				
<i>If you answered ‘Yes’ to the previous question please answer questions #13 and #14, otherwise go to question #15</i>							
13. Use the ‘1-10’ scale to rate the pain you are feeling arising from your contralateral knee (1=minimum pain, 10=maximum pain)							
14. Since when do you feel pain arising from your contralateral knee?							
15. How far can you walk without experiencing discomfort arising from the site of your operation?	Limited distance	<500m	<1Km	1-2Km	2-3Km	3-5Km	>5Km
16. Can you walk up a hill?	4 points Yes, easily	3 points Yes, but not very easily	2 points Yes, but with difficulty	1 point Yes, but with much difficulty	0 points No		
17. Can you walk down a hill?	4 points Yes, easily	3 points Yes, but not very easily	2 points Yes, but with difficulty	1 point Yes, but with much difficulty	0 points No		

18. Have you been a happy person, considering the difficulties (if any) you are facing following the pantalar arthrodesis?	All of the time	Most of the time	A good bit of time	Some of the time	A little of the time	None of the time	
19. Do you feel that your life is restricted because of the pantalar arthrodesis?	Very Restricted	Somewhat Restricted	Don't Know	Almost Unrestricted	Completely Unrestricted		
20. Do you feel that the decision to undergo a pantalar arthrodesis was right?				Yes		No	
<i>If you answered 'Yes' to the previous question please answer question #21, otherwise go to question #22</i>							
21. Why do you feel that the decision to undergo a pantalar arthrodesis was justified?	It offered me relief from pain	It dealt with my deformity	Both the previous	None of the previous/other (please specify)			
22. Would you undergo the same operation once more if necessary?				Yes		No	

TABLE E-3 Statistical Comparison Between Results of Present Study and the Short Form-36 (SF-36) Questionnaire's^{7,8} Norms Provided by the Omnibus Survey¹⁰ in Britain and the Canadian Multicentre Osteoporosis Study (CaMos) Cohort¹¹

Domain	Age 45 to 54 Years (N = 11)					Age 55 to 64 Years (N = 7)					Age 65 to 74 Years (N = 6)				
	Present Study	Omnibus Survey ¹⁰		CaMos Cohort ¹¹		Present Study	Omnibus Survey ¹⁰		CaMos Cohort ¹¹		Present Study	Omnibus Survey ¹⁰		CaMos Cohort ¹¹	
	Mean	Mean	P Value	Mean	P Value	Mean	Mean	P Value	Mean	P Value	Mean	Mean	P Value	Mean	P Value
Physical functioning	48.1	87.2	<0.001	88	<0.001	61.4	78	0.001	82.3	0.001	45.8	72.7	0.027	75.7	0.019
Role limitations, physical	100	83.5	<0.001	84.9	<0.001	85.7	72.7	<0.001	81.3	<0.001	100	72.6	<0.001	76.2	<0.001
Role limitations, emotional	78.7	88.4	0.36	85.6	0.526	90.4	81.8	0.407	87.8	0.81	100	88.1	<0.001	83.4	<0.001
Energy/fatigue	81.3	63	0.009	65.5	0.017	75	61.8	0.0308	68.3	0.2	83.3	63	<0.001	67.7	<0.001
Emotional well-being	86.1	75.6	0.005	76.8	0.004	82.2	76	0.262	79.5	0.63	93.3	80	<0.001	79.3	<0.001
Social functioning	76.1	87.7	0.145	86.4	0.166	82.1	84.7	0.65	88.1	0.29	75	85.8	0.33	87	0.22
Pain	70.9	80.7	0.168	76.2	0.345	90.4	74.4	0.001	74.9	0.017	75.8	75.5	1	74	0.33
General health	74.5	71.3	0.502	77.3	0.49	61.4	65.3	0.57	74.8	0.065	72.5	65	0.23	73.5	0.48