

Supplementary Table I. Comparison of Upper Extremity Arterial Patency by All Injury Mechanisms and Repair Types

	Civilian(32)	VAVIS	P-Value
N of patients	108	48	
N initial repairs	117	48	
Males N (%) ^a	87 (80.6%) ^a	46 (95.8%)	<0.001
Age at injury in years (median)	35.7 ^a	24	<0.001
Range (years)	2.5-87.6 ^a	19-43	
Nerve Injuries	36% ^a	63%	<0.001
Orthopedic Injuries	60% ^a	31%	<0.001
N repairs with follow-up (%)	65 (55.6%)	48 (100%)	
Follow-up in months (median)	64	17	<0.001
Range (months)	6-236	1-137	
Patency N (%) ^b	63 (96.9%)	45 (93.8%)	0.373
Occlusions N (%)	2 (3.1%)	3 (6.3%)	0.373

Abbreviations: N, number; NS, Not Significant

VAVIS numbers and percents only include Veterans with follow-up studies

^anumbers and percents for the entire cohort: 117 injuries in 108 civilian patients (32), age and concomitant nerve and orthopedic injuries were not reported separately for civilian patients with follow-up

^bpatency excludes early failures, deaths and loss to follow-up, calculated as (number of repairs with follow-up - number of occlusions)/number of repairs with follow-up * 100, no significant difference between civilian and VAVIS patency by immediate test

Supplementary Table II. Comparison of Arterial Vein Graft Repairs in the Upper and Lower Extremities

Location	Upper Extremity			Lower Extremity		
	Civilian(33)	VAVIS	P-Value	Civilian(33)	VAVIS	P-Value
N of patients	152	43		152	70	
N initial repairs	68	43		90	73	
Males N (%)	127 (83.6%) ^a	42 (97.7%)	<0.001	127 (83.6%) ^a	68 (97.1%)	<0.001
Age at injury in years (median)	31.7 ^a	24	<0.001	31.7 ^a	23	<0.001
Range (years)	5.5-77.2 ^a	19-42		5.5-77.2 ^a	19-56	
Nerve Injuries	40% ^b	63%	<0.002	29% ^c	26%	0.559
Orthopedic Injuries	63% ^b	30%	<0.001	83% ^c	37%	<0.001
N repairs with follow-up (%)	42 (62%)	43 (100%)		59 (66%)	73 (100%)	
Follow-up in months (median)	72 ^d	18	<0.001	72 ^d	20	<0.001
Range (months)	4-279 ^d	1-137		4-279 ^d	1-175	
Patency N (%) ^e	41 (97.6%)	42 (97.7%)	0.965	58 (98.3%)	69 (94.5%)	0.154
Occlusions N (%)	1 (2.4%)	1 (2.3%)	0.965	1 (1.7%)	4 (5.5%)	0.154

Abbreviations: N, number; NR, Not Reported; NS, Not Significant VAVIS numbers and percents only

include Veterans with follow-up studies

^anumbers and percents for the entire cohort of 152 patients(33), upper and lower extremity demographics were not reported separately

^bpercents of nerve and orthopedic injuries from the 68 initial upper extremity repairs, percents were not reported separately for patients with follow-up

^cpercents of nerve and orthopedic injuries from the 90 initial lower extremity repairs, percents were not reported separately for patients with follow-up

^dMedian follow-up and range for the 101 combined upper and lower extremity repairs, numbers were not reported separately for upper and lower extremity repairs

^epatency excludes early failures, deaths and loss to follow-up, calculated as (number of repairs with follow-up-number of occlusions)/number of repairs with follow-up * 100, no significant difference between civilian and VAVIS patency by immediate test