

### Appendix 3: Comparison of patients lost to follow up and main study cohort

	Main group	Lost to follow up group	Statistical testing
Mean age	64.5 (30-85)	70.3 (43-85)	p < 0.001
Female: Male	62.8% : 37.2%	56.4% : 43.6%	p= 0.519
Mean follow up	70.7 months (48–100)	20 months (1-48)	N/A
Surgical indication	Primary OA 72.5% Post-traumatic OA 9.7% Fracture sequelae 6.3% Cuff tear arthropathy 1.4% Humeral head necrosis 1.9% Rheumatoid arthritis 7.2% Other 1%	Primary OA 76.9% Post-traumatic OA 7.7% Fracture sequelae 5.1% Cuff tear arthropathy 5.1% Humeral head necrosis 0% Rheumatoid arthritis 5.1% Other 0%	p = 0.536
Improvement in CMS at 24 months (N = 197:17)	45	46.4	p = 0.658