

Univers Revers™ Prosthesis Humeral Inclination Comparison

PURPOSE

To report the clinical outcomes of pain, function and quality of life for patients who have undergone revers total shoulder arthroplasty (rTSA) using the Univers Revers prosthesis with humeral inclination set at 135° vs. 155°.

METHODS

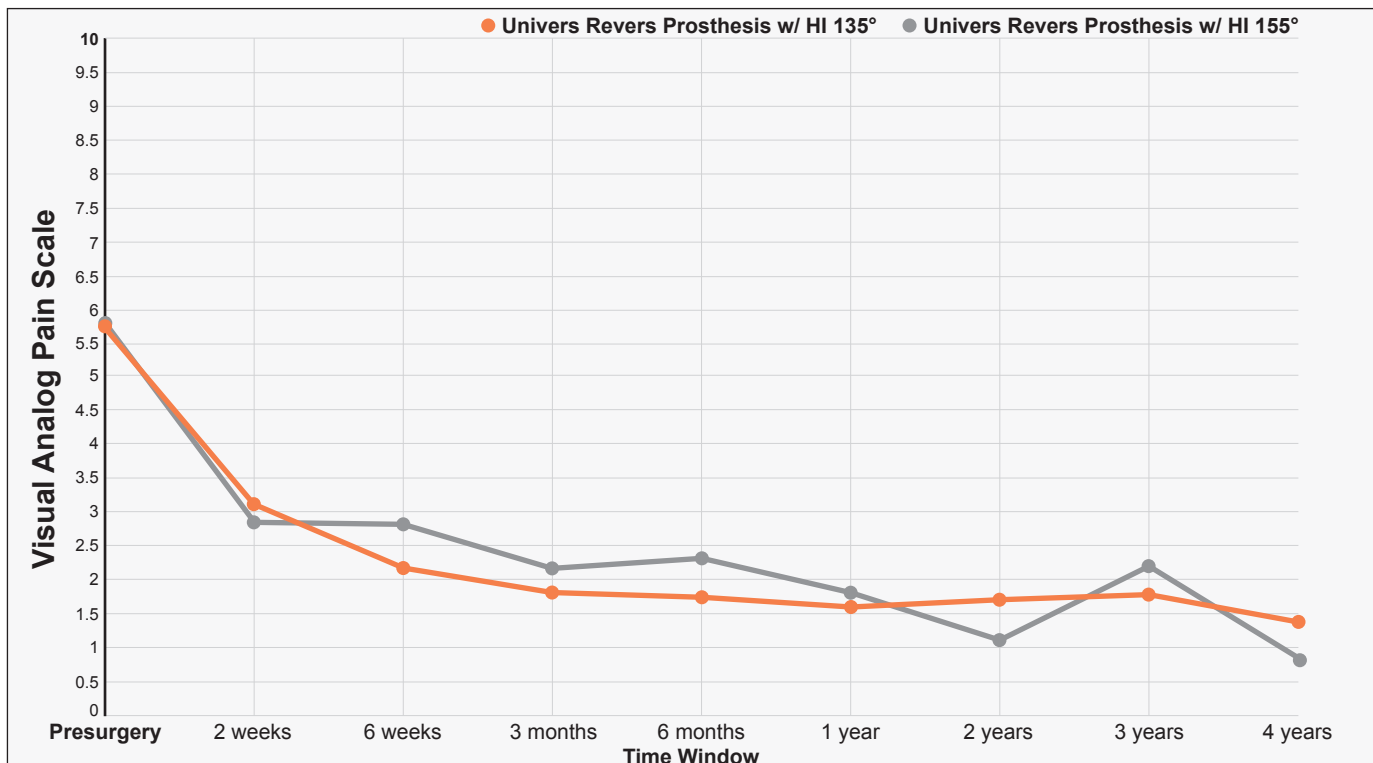
The inclusion criteria for this analysis were patients enrolled in the Surgical Outcomes System™ global registry who underwent rTSA using the Univers Revers prosthesis with humeral inclination of 135° or 155°. Standard patient-reported outcomes questionnaires for VAS, ASES and SANE were administered at standard time points postoperatively. Results were reported from presurgery out to 4 years postsurgery. The numbers of patients included per time point are shown to the right.

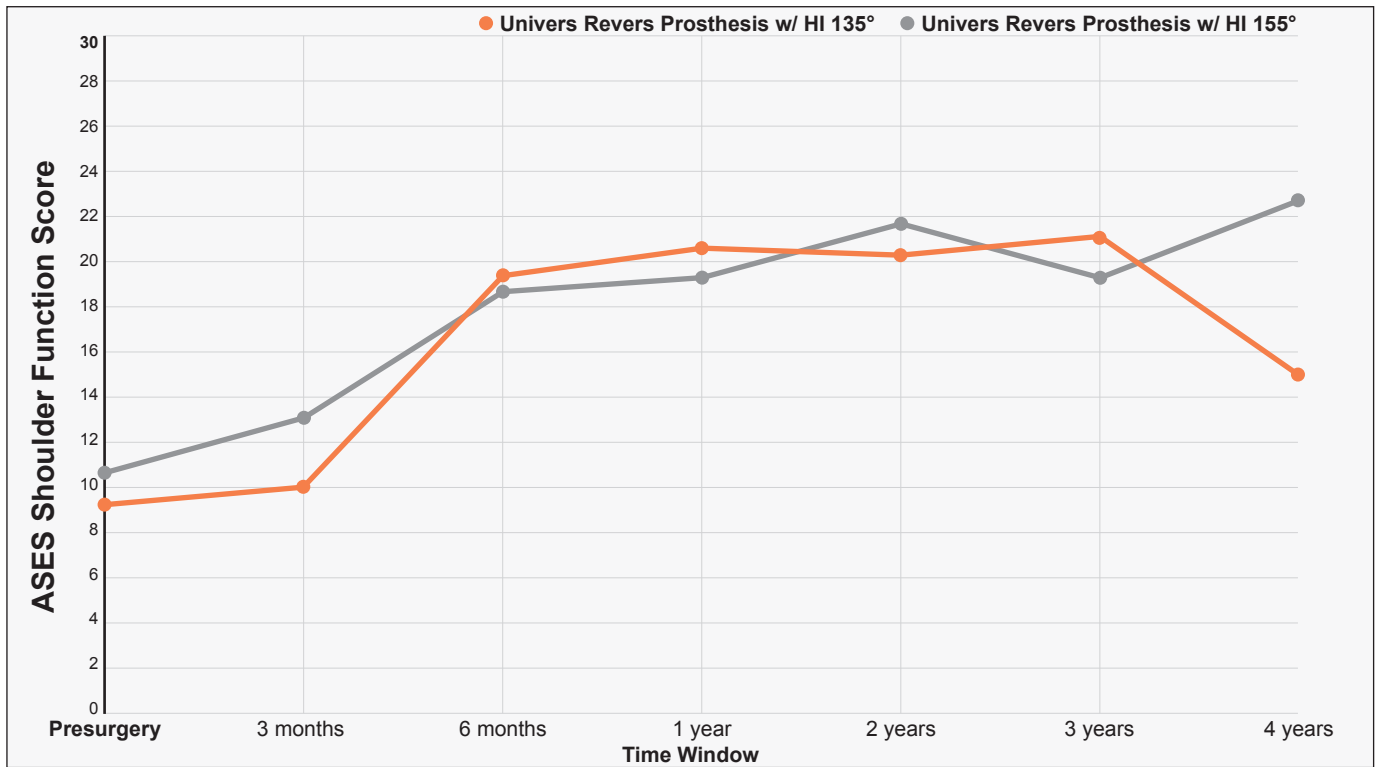
Time Point	# of Compliant Patients with 135 HI/Total # of Patients	# of Compliant Patients with 155 HI/Total # of Patients
Presurgery	539/687	32/60
1 year	297/482	40/52
2 years	144/285	32/50
3 years	59/145	31/46
4 years	3/12	3/11

TREND CONCLUSION

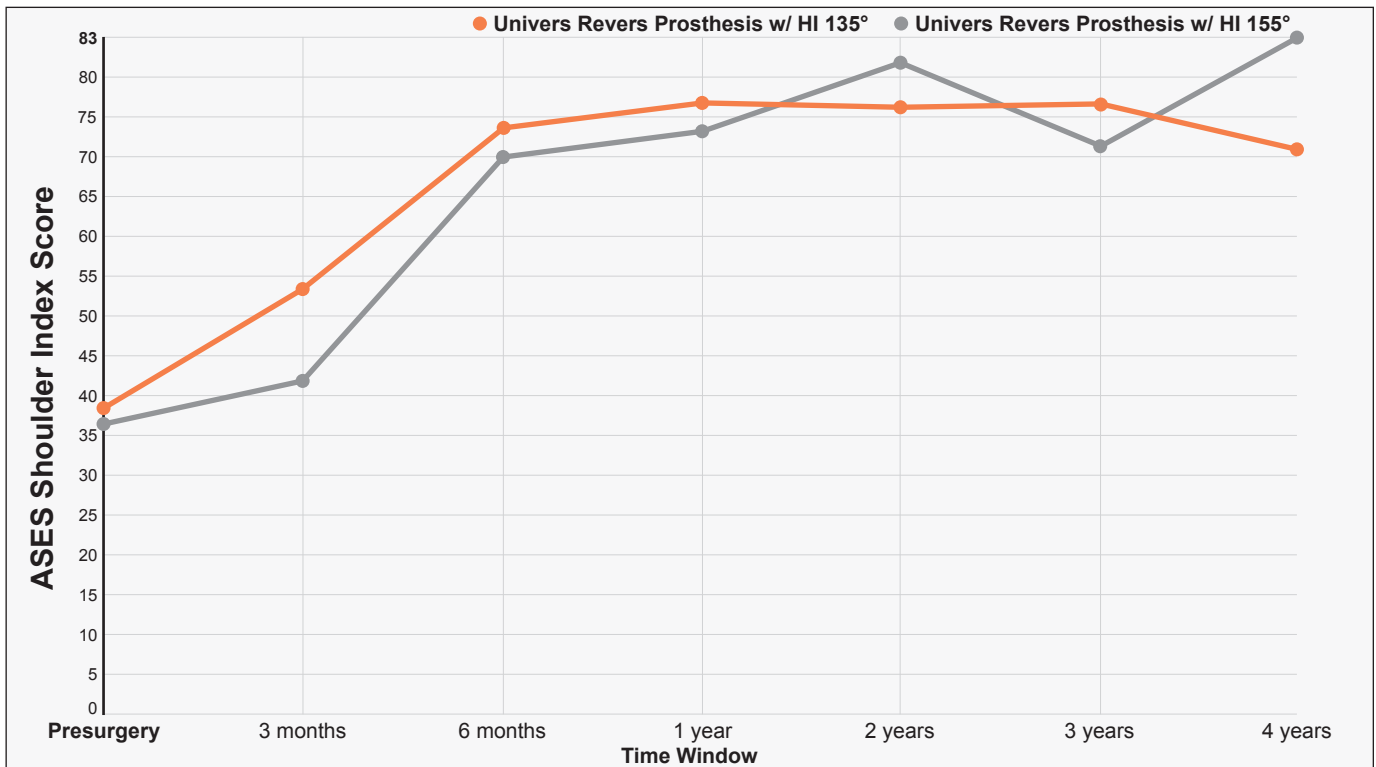
Based on these results, there appears to be similar trend in pain, function and quality of life for rTSA using the Univers Revers prosthesis with humeral inclination of 135° and 155°. However, further statistical analysis would be needed to determine if these findings have statistical significance.

RESULTS

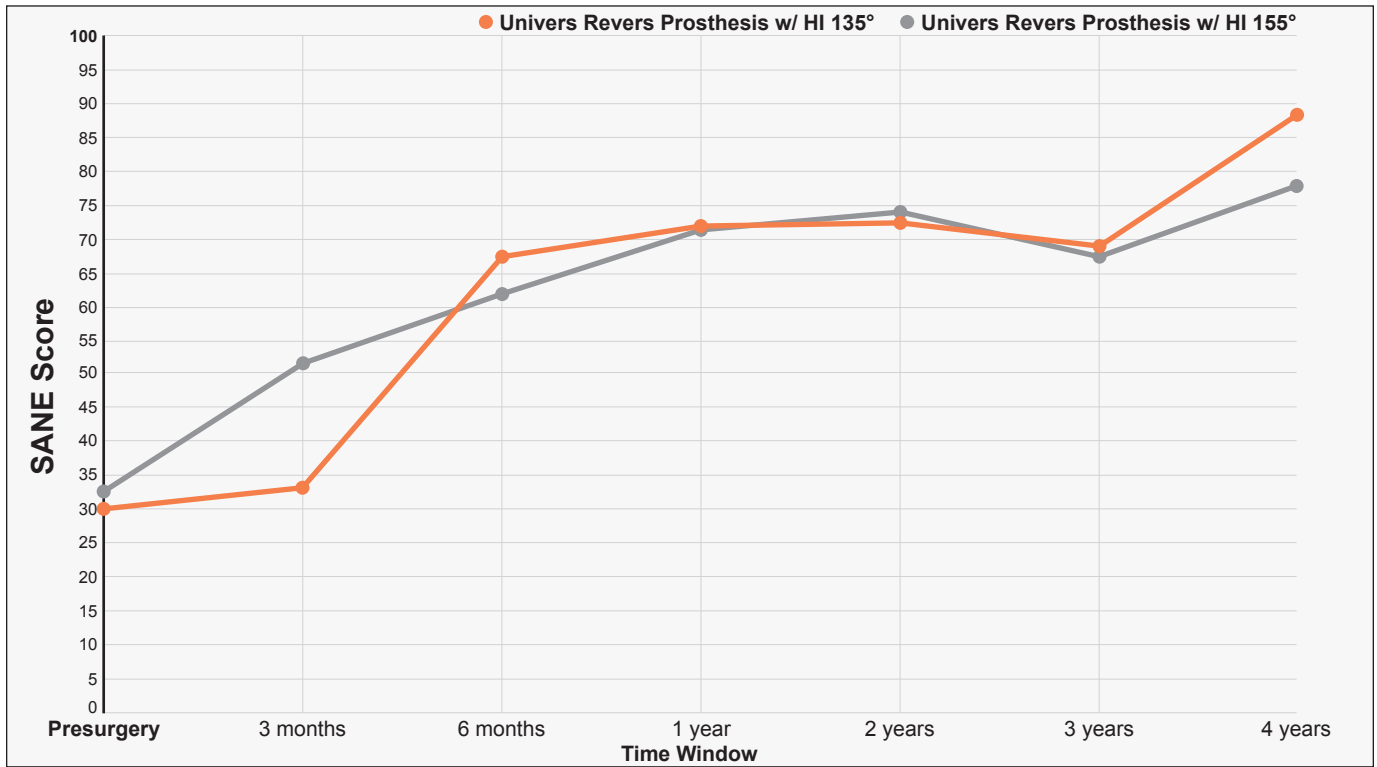




ASES Shoulder Function



ASES Shoulder Index



SANE



Time Point	Univers Revers Prosthesis w/ HI 135° Avg +/- STD VAS	Univers Revers Prosthesis w/ HI 155° Avg +/- STD VAS
Presurgery	5.8 +/- 2.5	5.9 +/- 3.0
1 year	1.5 +/- 2.0	1.8 +/- 2.1
2 years	1.6 +/- 2.0	1.0 +/- 1.1
3 years	1.8 +/- 2.4	2.2 +/- 2.6
4 year	1.4 +/- 0.6	0.8 +/- 0.7

Time Point	Univers Revers Prosthesis w/ HI 135° Avg +/- STD ASES Function	Univers Revers Prosthesis w/ HI 155° Avg +/- STD ASES Function
Presurgery	10.2 +/- 5.1	9.3 +/- 4.8
1 year	20.5 +/- 6.5	19.4 +/- 5.9
2 years	20.1 +/- 6.5	21.8 +/- 5.1
3 years	21.0 +/- 5.7	19.5 +/- 6.7
4 years	16.3 +/- 3.8	22.3 +/- 9.9

Time Point	Univers Revers Prosthesis w/ HI 135° Avg +/- STD ASES Index	Univers Revers Prosthesis w/ HI 155° Avg +/- STD ASES Index
Presurgery	37.9 +/- 17.3	36.0 +/- 20.0
1 year	76.4 +/- 18.7	73.4 +/- 18.4
2 years	75.4 +/- 18.3	81.1 +/- 11.1
3 years	76.2 +/- 17.8	71.5 +/- 21.7
4 years	70.4 +/- 5.3	83.4 +/- 19.7

Time Point	Univers Revers Prosthesis w/ HI 135° Avg +/- STD SANE	Univers Revers Prosthesis w/ HI 155° Avg +/- STD SANE
Presurgery	29.8 +/- 20.5	32.4 +/- 22.8
1 year	71.4 +/- 24.9	71.7 +/- 21.3
2 years	72.7 +/- 24.4	74.3 +/- 20.8
3 years	68.8 +/- 30.8	67.4 +/- 29.7
4 years	88.3 +/- 12.6	78.0 +/- 32.9