

Symmetrisleep Case Study



August 2011-September 2012

Measurements at XXXXXXXX XXXX Care Home. These were taken using a pair of linked electronic inclinometers across the left and right knee, with the instruments placed on thigh and shin. With permissions, Symmetrisleep night time positioning was installed and measurements taken periodically. At some point prior to final readings, following a management change, staff had stopped using the equipment.

Client		23/08/2011	26/10/2011	14/02/2012	22/06/2012	03/09/2012	Difference between 1st and 2nd reading	Difference between 1st and final reading
"B"	Left		78	99		66	21%	-18%
	Right		65	96		57	32%	-14%
<p>It was reported at the second reading that "B" Was much "looser". By the second reading he had improved in both sides, following the removal of the equipment, he had deteriorated compared with the start.</p>								
"I"	Left	52		63		13	17%	-300%
	Right	48		76		51	37%	6%
<p>At the second reading , "I" was indicating reduced pain as she was no longer requesting heat rubs each morning. She had improved on the right. She was very windswept that way. Having stopped using the equipment, her range of movement has seriously reduced.</p>								
"M"	Left	79		79		79	0%	0%
	Right	94		92		81	-2%	-16%
<p>"M" did not use the equipment. Although there was little change by the second reading, her right leg had deteriorated by the final reading.</p>								
"F"	Left	94		118		123	20%	24%
	Right	90		122		114	26%	21%
<p>"F" had improved in both legs by the second reading. She showed a further improvement on her left side and a similar deterioration in her right leg at the final reading.</p>								
"J"	Left	93		94	75	56	1%	-66%
	Right	124		105	119	74	-18%	-68%
<p>"J"s right leg reading had deteriorated by the second reading. However, staff reported that she was now transferred with a standing sling rather than a traditional hoist. Removal of the system seems to have allowed stiffening in both legs.</p>								

There were 5 opportunities to take measurements, not all residents were available at each. The measurements were taken with at therapist present by a trained representative using Lafayette equipment. All were female except B. All were elderly dementia sufferers with very limited mobility.