

physicool bandages comes in two sizes:

- Bandage Size A - Small (10cm x 2m) - suitable for wrists, elbows and ankles
- Bandage Size B - Large (12cm x 3m) - suitable for knees, thighs and shoulders
- The 500ml Coolant will recharge Bandage Size A and Bandage Size B.

PRODUCT	CODES	
	Single	Pack 25
Bandage Size A	PC01A	PC25A
Bandage Size B	PC01B	PC25B
	Single	Pack 15
Coolant 500ml	PC01C	PC15C



Bandage Size A



Bandage Size B



500ml Coolant

For more information or to purchase physicool products:

medi UK Ltd, Plough Lane, Hereford HR4 0EL.

Tel: 01432 373500 · E: enquiries@mediuk.co.uk

You can also purchase via our website: www.mediuk.co.uk

Trial Study



physicool 
Rapid Relief, Rapid Recovery

physicool is a CE Marked cooling bandage that in a randomised study provided statistically significant increases in range of motion and reduction of pain compared to Cryo/Cuff following Knee Arthroplasty*

*Study presented at EFFORT 23rd - 25th May 2012



TRIAL INFORMATION

In 2012, Mr A Mumith MRCS, Mr M Barrett MRCS and Mr S Garrett FRCS (Tr&Orth) conducted an Ethics approved, non-commercial study to compare the efficacy of physicool with the Cryo/Cuff cooling system in Total Knee Arthroplasty (TKA) patients.

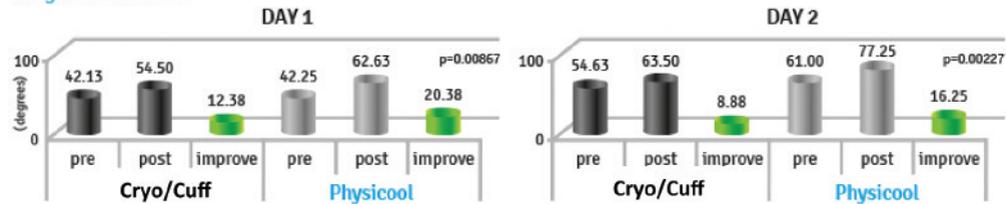
The method used a randomised study by patient hospital number of 80 patients (40 per group). All TKA were by a single surgeon using default surgical techniques.

The cooling devices were assigned on the 1st post-operation day. VAS pain scores and the range of movement were recorded pre-cooling and after 30 minutes of cooling.

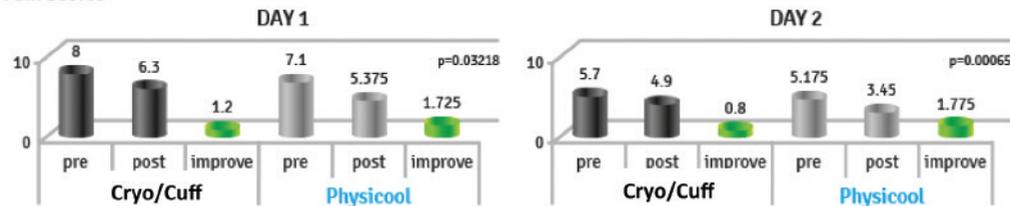
Results were obtained for the 1st and 2nd days post-operatively after which the patients were discharged.

RESULTS

Range of Movement



Pain Scores



RESULTS

The trial demonstrated that physicool is a viable alternative to Cryo/Cuff. For the physicool group there was a statistically significant increase in the range of motion and reduction in pain compared to the Cryo/Cuff group.

On the first post-operative day, the physicool group had a 20.38° improvement in Range of Motion which was 65% greater than that achieved by the Cryo/Cuff group and the physicool group's VAS pain score was reduced by 44% more than was achieved by the Cryo/Cuff Group.

On the second post-operative day, the physicool group had an improvement in Range of Motion 83% greater than that achieved by the Cryo/Cuff group and the physicool group's VAS pain score was reduced by 122% compared to the reduction achieved by the Cryo/Cuff Group.

Although there is anecdotal evidence of the physicool group continuing to outperform the Cryo/Cuff group after the patients were discharged, this improvement could not be quantified as part of this first study.

For the purposes of the study, the cooling for both groups was limited to two 30 minute sessions per day. An important advantage of physicool is that it can be used for significantly longer periods than would be possible for Cryo/Cuff. Physicool does not restrict ambulatory movement and can be left on to cool for up to two hours before all the coolant has evaporated. The coolant can then be topped up or recharged using the spray.

There is an expectation that in normal clinical use, both before and after discharge, patients will be willing to use physicool more often and for longer periods than they would consider using Cryo/Cuff. Their improvements in range of motion and pain relief are likely to be even greater than was achieved in this controlled study.