

# Moldcare Review

**Nicola White**  
**Dosimetrist and Mould room**  
**Lincoln County Hospital**

## <Challenges>

Historically the headrests being used in the department consisted of the full range of Silverman plastic head rests. Over time these had become damaged and cracked and didn't withstand the daily use on treatment very well.

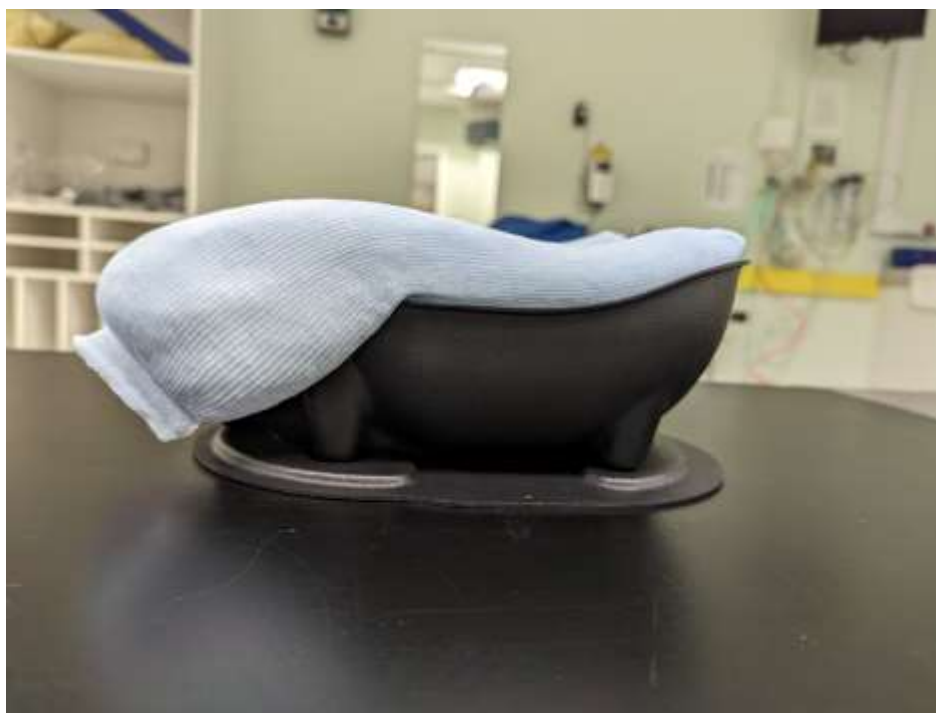
Another issue was patient movement, we were seeing considerable Sup/Inf shifts due to the headrests not fitting the back of the patients head and neck properly. We also noted that many patients complained of discomfort and neck pain following treatment.

As a department we also struggled to offer any setup for those patients who were frail or suffering from neck pain/issues or deformities meaning they could not lay back.

## <Application>

We now manufacture a Moldcare pillow per patient, this provides a comfortable cushion which is molded around the patient head and neck contour. The patient immediately feels supported and therefore we have seen a reduction in our Sup/Inf moves through imaging. We also noted that the patient has a clear indication through feel to whether they are in the correct position or not, thus resulting in greater accuracy.

We have even purchased the larger S - frame type (HN UT) Moldcare pillows which have resulted us being able to provide a supportive option for those patients with neck issues or deformities. We are able to build up these pillows on other head rest systems meaning that patients can now achieve a position on the Linacs which fits into our current scope of delivering VMAT.



Headrest and Moldcare (HN E, 20cm x 34cm)

## <Results>

The Moldcare pillows have enabled us to provide a patient specific head support system which is comfortable. They locate well and are easy to manufacture and use throughout the entire department.

Moldcare pillows have also provided with a failsafe system which works for the majority of patients due to the personalised nature of the product.

Overall the Moldcare pillows have become our go to and primary system within the department.