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Replicating Orthopaedics Boots in the **Most Cost Effective Way**



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Background

Orthopaedics Boots are used in the operating room during hip surgery. The boots protect and secure the patient's foot when suspended from the traction pulley. The boots are damaged due to repeated usage. The cost of the replacement was high and we worked with the Linen Department on how we could reproduce the boots with similar materials and functionality internally.



Results

The first pair of boots was reproduced and use for the patients during surgery. Materials used was compatible and boots were similar to the ones bought from company. The surgical team was satisfied with outcome.

Original pair of orthopaedics boots cost \$3136.



\$3136 per pair

Minimal cost – Reproduced by KTPH Linen department, material cost and workmanship estimated at around \$200



\$200 per pair

Aim

To achieve cost savings in the replacement of orthopedic boot used in MOT.

Method

- ❖ High cost of boots when purchased from company (**\$3136 per pair**).
- ❖ Collaborated with linen department on the possibility of reproducing the boots at a lower cost.
- ❖ Sourced out a compatible material from open market to reproduce the boots locally by the Linen Department
- ❖ Estimated time taken **1.5 days to reproduce each pair**.

Conclusion

Due to wear and tear and the increase in the number of Hip fractures, Linen Department has reproduced 5 pair of boots for use by the operating theatres thus making a cumulative cost savings of \$14,680.

Impact and Sustainability

Huge savings of **\$2936** for **each pair** of boots.

Linen department had produced **5 pairs** of orthopaedic boots since the launch of this initiative, resulting in an accumulated savings of

\$14,680