

## **Mechanical strength of some plaster of Paris casts**

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### **Abstract**

Five plaster of Paris casting bandages including Nairobi Enterprises, Salvagyps, Helm, Plasrum-gyps and Veronese, available on the Kenyan market were evaluated based on breaking strength. Helm plaster of Paris had a significantly higher mean maximum load compared to all the other products ( $p < 0.05$ ). Plasrun-gyps supported the highest mean maximum load per unit thickness. Based on this study, Helm and Plasrun-gyps are recommended as more suitable for cast application on the basis of their superior breaking strength