



# Ring Fenced Casting Technique: New Innovation for Clubfoot clinics during COVID-19 Pandemic

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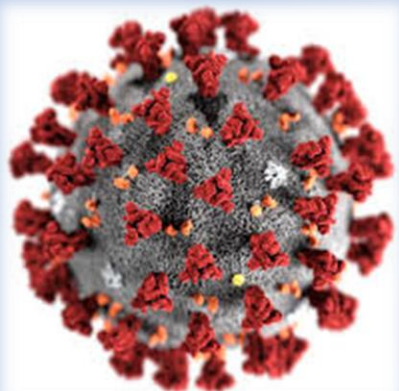
## Introduction

During COVID-19 pandemic, sudden imposition of lockdown disrupted regular functioning of Clubfoot clinics and halted the treatment of clubfoot babies by the Ponseti casting method.

## Purpose of study



To devise a novel, simple, innovative and cost-effective technique to re-start clubfoot clinics and ensure safe delivery of clubfoot treatment, while protecting doctors and patients from the risk of exposure to infection



# Setup For Ring Fenced Casting

Drape supported by two IV stand on either side of casting table

## Front View

## Requirements

- ✓ 140cm x 150cm impermeable disposable plastic drape
- ✓ Two IV stands
- ✓ Casting table

## Side View

Two small holes cut out in the plastic drape approximate size of thigh of baby



Position of the baby with legs inserted through holes in the drape



Patient side

Health care Provider side

# Ring Fenced Casting Technique



Insertion of the baby's leg into the drape



Drape should fit snugly around the upper thigh



Application of soft roll from the tips of toes to groin



Application of above knee POP cast after manipulation



Completion of casting



## Advantages

- ✓ Physical barrier between patient and healthcare provider
- ✓ Simple, Cheap and cost effective
- ✓ Transparent plastic drape also allows one to keep a watch over the baby to avoid undue force and discomfort during manipulation and casting



## Futuristic Approach

Ring-fenced casting technique can be applied for other plastering techniques too during the pandemic period, for the safety of healthcare providers and patients in order to reduce the risk of disease transmission



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