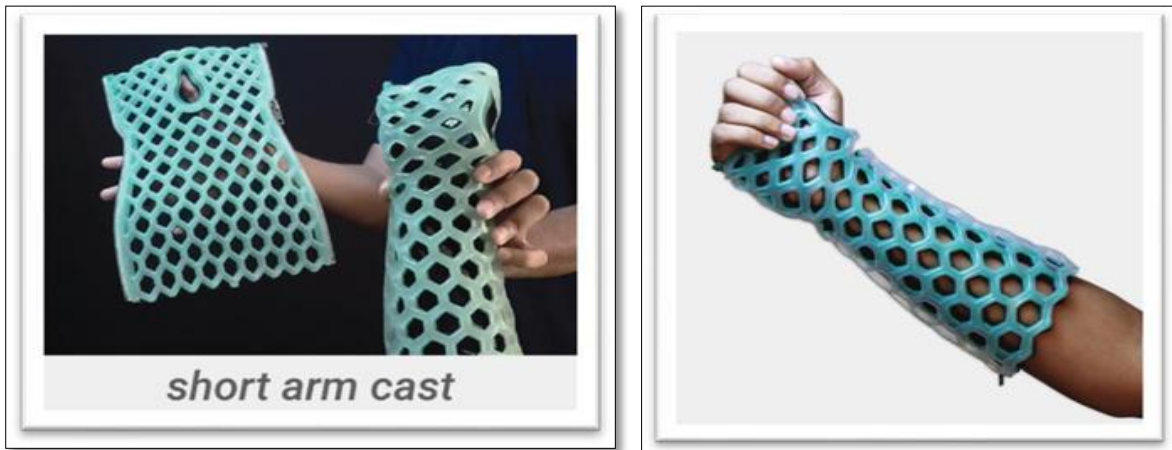


## **FlexiOH: Next generation orthopaedic immobilization technology**

The DBT's Biotechnology Industry Research Assistance Council (DBT-BIRAC), New Delhi supported start-up JC Orthoheal Pvt. Ltd has created the first of its kind- an orthopaedic immobilizer called FlexiOH that has the rigidity to hold the fractured part as well as ensuring proper skin ventilation. FlexiOH is a next generation orthopaedic immobilizer that replaces conventional cast/braces i.e. POP and thermoplastic braces. FlexiOH is odourless and promotes skin health, whereas conventional casts can irritate the skin and cause itchy rashes, etc. Unlike conventional cast, FlexiOH is washable, breathable, and light weight immobilizer that can be used for immobilization during orthopaedic treatment i.e. fractures, sprains, post-surgery, trauma etc.



The major innovativeness of this product lies in the fact that it is safer compared to conventional cast from causing serious side effects. This product is the most advanced orthopaedic immobilization technology and has potential to be used and adopted throughout the world. Once FlexiOH is placed on the fractured area, a light treatment completes the curing process and makes the FlexiOH rigid. Depending on the size of the immobiliser, this procedure is fast and only takes 3-10 minutes. It can be removed during the course of therapy without any other external cast cutter or spreader being used.

Some important features include:

- Washable
- Latex Free
- Comfortable
- Breathable
- Lightweight
- Easy Application

The FlexiOH immobilizer is designed such a way that the intermittent hollow spaces facilitate circulation of air and evaporation of sweat or water from the skin surface. The design and materials of FlexiOH aim to provide the patient with the utmost comfort. It has a bio-compatible foam that contacts the skin directly, providing cushioning against the polymer that is hardened. FlexiOH is undoubtedly a pioneering step in the orthopaedic immobilization technology.

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