

UPPER EXTREMITY - THUMB SPICA



What is the thumb spica?

The spica dynamically brace the thumb to abduct but allow controlled additional movement for children who require grasp function.

Why use Duraflex?

- Bite protection
- Easy to clean, hygienic
- Very durable
- Dynamic in its function
- Comfortable to wear
- Reduction in pressure points
- Reduction in bulk

Typical materials used for rigid W.H.O.s are low temperature thermoformable materials. The expected function is to maintain the hand in the desired position, but the usual result is higher than expected pressures, gapping along the web space and undesirable degrees of hygiene.

Note, in this picture, the sharp edges along the first metacarpal and the thumb.

This patient was seen for assessment, the Duraflex device was manufactured with the desired results.

Patients who require splinting to protect biting benefit from the use of Duraflex, as it is less bulky than conventional plastic, will not deform and is easy to clean.

Most maintenance required is to replace straps periodically.

The design allows the patients to quickly don the brace and fix the closure. The patient no longer has to have the arm tethered to prevent biting. Instead, the patient is allowed to move his arm freely without restriction and his hand is protected from injury.