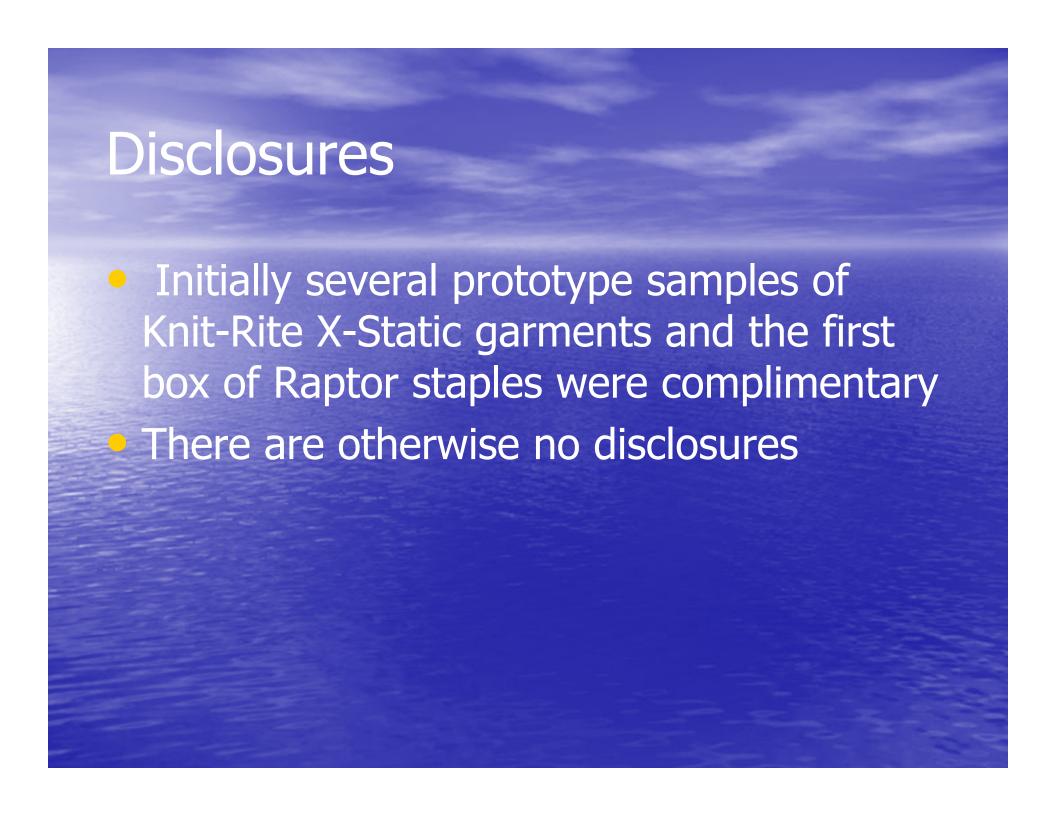


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Innovations in Mehta (EDF) casting for Early Onset Scoliosis (EOS)

Purpose:

To describe some innovations in casting technique for Early Onset Scoliosis

Methods:

We have refined the technique of Mehta (EDF) casting. We describe the techniques.





turtleneck option for Mehta casting.

X-STATIC®	WIDTH	LENGTH	FITS CIRCUMFERENCE
Turtleneck with Sleeves*			
1BX1-BT-XS	4" (10cm)	12" (30cm)	10"-12" (25-30cm)
1BX1-BT-SM	6" (15cm)	14" (35cm)	14"-18" (35-45cm)
1BX1-BT-MD	8" (20cm)	16" (40cm)	18"-24" (45-60cm)



Knit-rite X-Static/Lycra-features:

- Turtleneck Torso-Interface®
- In addition to wearing with all types of spinal orthoses and body jackets, the turtleneck with short sleeves is used in hospitals for a casting procedure on infants and toddlers with scoliosis. It allows parents to be able to take off and put on a clean interface under the cast, with anti-odor X-Static® next to the skin. Slightly heavier than a T-shirt, Torso-Interface provides more cushioning, protection, comfort, and moisture wicking properties to keep skin dry.
- Outstanding stretch allows the fit to be virtually wrinkle free and to contour to the body.
- Garment is finished on all edges.
- The X-Static® /Lycra® (grey) is especially helpful when skin rashes are noticeable and helps eliminate odor in the garment.
- Fit the waist—fabric will stretch over chest and hips. Garment stretches over 150%.
- Machine washable.
- Latex free materials.
- Care Instructions: Hand or machine wash, mild detergent, warm temperature; no
- bleach. Tumble dry warm or dry flat.
- For more information visit www.knitrite.com/turtlenecktorso







9 month old with EOS-using plastic staples we were able to obtain an MRI in the cast (metal staples would have necessitated cast removal or delay of cast application. There was no interference with MRI.





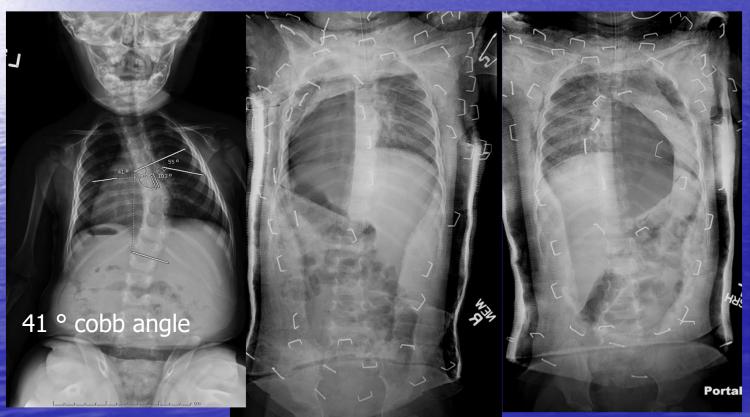


In the 2 years of using the X-Static garment we have had no pressure sores and much improved skin hygiene and integrity and happier families. The self-adhesive padding at molding sites and moleskin petalling has also helped with skin integrity.





12 month old with series of Mehta casts





Conclusions

- Using an X-Static layer next to the skin with attention to padding the area of molding and using moleskin around the edges of the cast has virtually eliminated skin problems even with repetitive casting
- When an MRI may be needed, the use of plastic MRI-compatible staples can avoid having to remove a cast that has metal staples