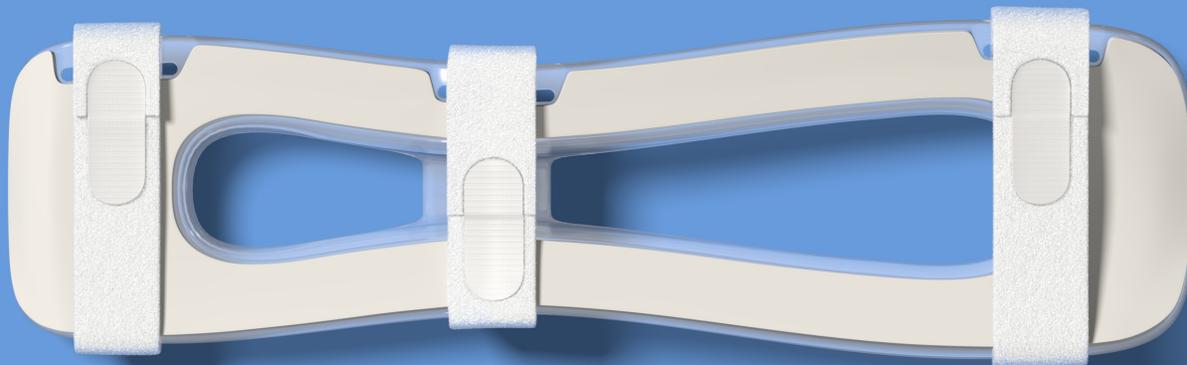


# I.V. House<sup>®</sup> TLC<sup>®</sup> UltraSplint

Touch / Look / Compare



939L-Ultra / Child (Also available without straps)

The new TLC<sup>®</sup> UltraSplint is a state-of-the-art, next generation armboard. Ergonomically designed with see-through openings, it allows nurses to *Touch, Look, and Compare*<sup>24</sup> the IV insertion site with the opposite extremity to identify difference in appearance such as size, color, and temperature.



## Touch / Look / Compare

The Infusion Nurses Society (INS) recommends a visual inspection of the IV insertion site every hour for pediatric patients. Current armboards make assessment of the IV insertion site a tedious process because nurses cannot view or touch the extremity in its entirety. Instead, nurses must release the tape securing the armboard multiple times a day to visually inspect for swelling and skin breakdown of the palmar side, up to 24 times a day for a pediatric patient.<sup>19</sup>

The manipulation of the IV insertion site causes patient anxiety<sup>23</sup> and consumes an excessive amount of the nurse's time.

With a significant need to improve the functionality of armboards, I.V. House designed the TLC UltraSplint to allow an overall 360 degree visual assessment of the extremity in a quick and efficient manner and the ability to touch tissue with fingertips to determine if any problems are present.

I.V. House has adopted the Touch, Look, and Compare process to provide nurses with a memorable method for evaluating IV insertion sites. This process used with the TLC UltraSplint allows a nurse to visually monitor the IV insertion site efficiently without obstruction and provides patients with peace-of-mind.

## TLC UltraSplint Features

Easily assess palmar side of hand and forearm through openings for care, maintenance, and inspection.

Cupped shape that supports forearm and centers arm on splint.

Softly shaped ends to eliminate edges digging into tissue.

Soft straps that are easy to apply and adjust for each patient to prevent restriction of circulation.

Adjustable, resealable Velcro<sup>®</sup> tabs eliminate over-taping of fragile skin.

Maximizes dwell time, minimizes the need for painful, traumatic restarts.

Universal design fits either hand.

Available without straps.



**I.V. HOUSE<sup>®</sup>**  
Protection Over and Above<sup>™</sup>

Visit [www.ivhouse.com](http://www.ivhouse.com) for Instructional Videos, Directions, Product Details, and Ordering Information. Or call: **800-530-0400**

© 2015 I.V. House, Inc. All rights reserved. \*Footnotes available at [ivhouse.com/references](http://ivhouse.com/references)

# I.V. House® TLC® UltraSplint

Touch / Look / Compare

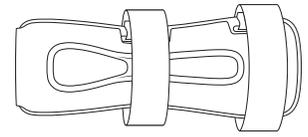
The innovative TLC UltraSplint represents the state-of-the-art in IV therapy armboard design. It has been ergonomically designed to address user needs for both the patient and nurse and to eliminate common shortcomings of traditional armboards to optimize IV therapies.<sup>22</sup>

Conventional flat armboards can be one of the main causes of unwanted infiltration and extravasation injuries as medications are unintentionally absorbed into non-vascular tissue, which can lead in extreme cases to compartment syndrome<sup>2,18</sup> from swelling.<sup>20</sup> Two design flaws in traditional armboards contribute to these problems: the flattening of the wrist joint when secured to the board and poor visibility of the IV insertion site and surrounding anatomic structures to monitor the therapy.

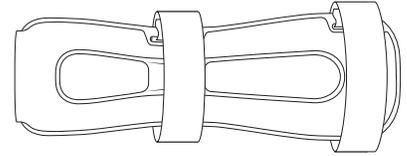
The innovative design of the TLC UltraSplint has a slight bend at the wrist to create minor wrist flexion to provide better anatomical alignment for the IV catheter in the blood vessel on the back of the hand.<sup>22</sup> The TLC UltraSplint design has a lateral cupped shape that mirrors the form of the forearm and effectively centers the arm on the splint. The proximal and distal ends are flared down and have generous radii to eliminate edges from digging into the patient; a common problem with traditional flat armboards that creates discomfort and excessive pressure on anatomic structures. The design also addresses issues experienced by active patients to minimize problems of the splint rubbing against the patient and abrading skin and causing localized pressure ulcers.<sup>22</sup> Comfort is accentuated with soft foam<sup>20</sup> that eliminates the uncomfortable rigid sensation of traditional armboards.

A major issue with traditional armboards is visualization of the IV insertion site<sup>22</sup> and adjacent anatomic areas to monitor therapies. The TLC UltraSplint minimizes visual interference of the splint. On the underside there are openings through which nurses can visually assess and touch tissue with their fingertips to determine if a problem is present – a feature that is non-existent in traditional armboards. The top of the TLC UltraSplint provides clear and unobstructed visual access to the IV insertion site by using soft comfortable and adjustable Velcro® straps at the proximal and distal ends of the splint to secure the splint to the arm.

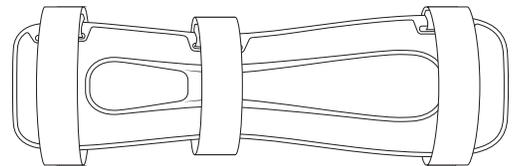
Collectively the design and ergonomic innovations of the TLC UltraSplint offer patients ultimate comfort and clinicians a design that provides clear and unobstructed visualization of the IV insertion site, quick and intuitive usage and a design that eliminates commonly experienced flaws with traditional flat armboard designs.



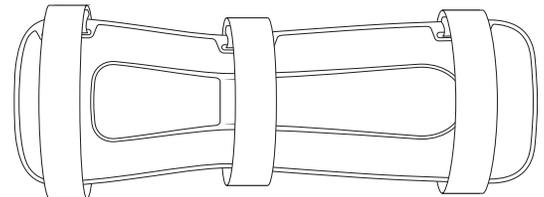
**TLC® UltraSplint 939S-Ultra / Infant**  
(939S-Basic / Without Straps)



**TLC® UltraSplint 939M-Ultra / Toddler**  
(939M-Basic / Without Straps)



**TLC® UltraSplint 939L-Ultra / Child**  
(939L-Basic / Without Straps)



**TLC® UltraSplint 939XL-Ultra**  
**Teenager/Adult**  
(939XL-Basic / Without Straps)



SINGLE USE



MRI SAFE



LATEX FREE



DEHP  
DEHP FREE



BPA FREE



**I.V. HOUSE®**  
Protection Over and Above™

Visit [www.ivhouse.com](http://www.ivhouse.com) for Instructional Videos, Directions, Product Details, and Ordering Information. Or call: 800-530-0400

© 2015 I.V. House, Inc. All rights reserved. \*Footnotes available at [ivhouse.com/references](http://ivhouse.com/references)