



IV Line Lifting Device (20130136, Dr. Mary Hooke)

Technology No. 20130136

IP Status: Issued US Patent; **Application #:** 14/472,894

Separates Multiple Intravenous Lines

An IV line lifting device lifts and holds multiple IV lines and allows appropriate slack in the IV line to accommodate patient movement. The device clamps onto an IV pole, can be extended up or out, depending on the situation, and provides some different options for holding the IV lines (e.g., a spiral ring, a split ring or a notched separator). By keeping multiple IV lines suspended and untangled, the device prevents IV tubing from laying or dragging on the floor, where it may be a trip hazard, get run over by the IV pole, or become contaminated. At the same time, it allows temporary slack in the IV lines to permit patient movement and helps prevent accidental deaccessing of the port needle. It is especially versatile and helpful for accommodating different patient needs and patient types, such as patients of different sizes, pediatric patients or patients with multiple IV lines.

Prevents IV Lines from Tangling

Multiple IV lines easily become entangled, prohibit patient movement, and can lay on the floor and get run over, stepped or tripped on, or become contaminated (possibly passing along contamination to a patient). This line lifting device eases the burden on both caregiver and patient by keeping lines separate, off the floor, and with enough slack to fit the ambulatory needs of the patient.

BENEFITS AND FEATURES:

- Keeps multiple IV lines untangled
- Prevents IV tubing from laying or dragging on the floor and becoming a trip hazard or being run over by the IV pole
- Prevents potential IV tubing contamination that could transfer to the patient
- Patients with multiple IV lines
- Patients with different needs and/or different sizes
- Pediatric patients

APPLICATIONS:

- IV applications
- Inpatient
- Outpatient
- Pediatrics

Phase of Development – Prototypes used in clinical trials. Schematics are available.

Researchers

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[External Link](http://www.nursing.umn.edu) (www.nursing.umn.edu)

Publications

[Utilization of an Intravenous Line Lifter Within a Pediatric Oncology Population.](#)

Journal of Pediatric Oncology Nursing, 2016 Mar-Apr;33(2):105-10. doi:

10.1177/1043454215589922

Interested in Licensing?

The University relies on industry partners to scale up technologies to large enough production capacity for commercial purposes. The license is available for this technology and would be for the sale, manufacture or use of products claimed by the issued patents. Please contact us to share your business needs and technical interest in this IV technology and if you are interested in licensing the technology for further research and development.

<https://license.umn.edu/product/iv-line-lifting-device>