

Non-Bandaging Therapy for Venous Ulcers – Is it Feasible?

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DISCLOSURES

Dr. Ravikumar is the founder of Sun Scientific, Inc.

IN CURRENT STATE:

NO STANDARDIZATION IN BANDAGING FOR COMPRESSION

CONSISTENCY & REPEATABILITY IS KEY

Tight Right is the first connected health platform for disruptively improving the application, maintenance, and self-management of compression therapy – consistently delivering gold-standard VLU treatment.



Current Practices	tightalright
<ul style="list-style-type: none"> Unknown & Variable Compression Dosage High Number of Cuts on Pressure Systems Delayed Healing Outcomes 	<ul style="list-style-type: none"> Targeted & Consistent Compression Smart Care & Benefits for Providers/Patients Data-Driven Therapy Optimization

Emerging technology from Europe – using data driven approach to improve consistency of venous leg ulcer treatment

Smart Sensors
Remote Patient Monitoring



COMPRESSION THERAPY

- Inelastic Air-Inflated Leg Wrap
- Velcro on
- Measurable, Adjustable, Maintainable Compression





aero wrap™

FOR WOUNDS TO HEAL WE DON'T WANT

S – Swelling
D – Drainage
I – Infection
N – Necrosis



EXUDATE MANAGEMENT

exuCare™

FlexiForm Bands
Adhesive Tabs

ExuCare™
Pre-Formed Absorbent Leg Wrap

- Exudate Management Leg & Foot Wraps
- Disposable (up to 1 week)
- Anatomical Shape & Tabs for Easy Application
- Superabsorbent Core Locks-in Drainage
- Can reopen and close for wound inspection


CASE SERIES

- Aero-Care system was placed on wounds on 30 wounds on 27 patients
- Patients had either acute or chronic non-healing VLU's of > 1 year
 - Of those with chronic non-healing VLU's, 70% of had failed standard bandage therapy
- Patients seen weekly (on average), some bi-monthly
 - One patient was treated remotely

CASE SERIES DEMOGRAPHICS

Age (Mean)	64
Diabetes (%)	29.6%
Gender (% Male)	51.9%
Lymphedema (%)	63.0%
Biological Dressing (%)	3.2% (1/31)
Venous Insufficiency Requiring closure of GSV / SSV (%)	25.8% (8/31)
Healed (%)	74.1%
Time to Healing (Mean)	14 weeks

CASE ILLUSTRATION – REMOTE MANAGEMENT OF REFRACTORY VLU



- Pt from Mount Vernon, NY who moved to Atlanta
- Traveled 30-60 mins to wound care center for compression bandaging – no improvement
- Patient came back to NY for treatment

CASE ILLUSTRATION – REMOTE MANAGEMENT OF REFRACTORY VLU




- Pt applied ExuCare dressing and AeroWrap independently
- Bi-Weekly phone calls

CASE ILLUSTRATION – REMOTE MANAGEMENT OF REFRACTORY VLU




CASE ILLUSTRATION – REMOTE MANAGEMENT OF REFRACTORY VLU



5 MONTHS


NEXT GENERATION DEVICE



Exudate management and compression combined

CONCLUSION

- Case series shows wound healing can be achieved without traditional multi-layer dressing
- Leading factors of success:
 - Constant and consistent compression
 - Improved exudate management



THANK YOU

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