

## Duke Boot Compression Therapy (with self-adherent wrap)

### Site Applicability

All VCH & PHC sites – acute, community, residential

### Practice Level

- **NP, RN, RPN:** Advanced Skill - additional education required
- **LPN (Vancouver Community only):** Advanced Skill – additional education required

### Policy Statement

A Physician/NP order or clinical direction from a Wound Clinician is required to apply a Duke Boot wrap. The compression wrap method (fan-fold or spiral) is to be stated in the order/clinical direction.

Only those nurses who have successfully completed additional education for compression therapy may apply compression wraps.

### Need to Know

The Provincial Nursing Skin and Wound Committee developed this procedure to provide a standardized practice for the application of a Duke Boot Compression Therapy for all patients, clients and residents across the province.

Additional education consists of the completion of the [Application of Compression Therapy Education Module](#) and the sign-off of the Skill Competency Checklist (page 42) for the Duke Boot wrap.

### Equipment & Supplies

- Viscopaste Bandage 7.5 cm x 6 m
- Cast padding, if using
- Coban Self-Adherent wrap 10 cm x 4.5 m
- 2 pairs of clean gloves
- All necessary dressing supplies if needed

### Procedure

The Provincial Nursing Skin and Wound Committee developed this step by step procedure to assist with application of a Duke Boot for the management of venous insufficiency and mixed venous/arterial insufficiency.

**Procedure:** [Duke Boot Compression Therapy \(with self-adherent wrap\)](#)

**Procedure video:** [Duke Boot Compression Therapy \(with self-adherent wrap\)](#)

### Expected Patient/Client/Resident Outcomes

Patients/clients/residents who need a Duke Boot Compression therapy for the management of their venous insufficiency or mixed venous/arterial insufficiency be applied appropriately.

### Patient/Client/Resident Education

See Client Teaching section of [Procedure \(pg 3\)](#)

### Documentation

As per site documentation guidelines.

## Related Documents

- **Guideline:** [Compression Therapy, Management of Venous Insufficiency and Mixed Venous/Arterial Insufficiency](#)
- **Education Module:** [Application of Compression Therapy to Manage Venous Insufficiency and Mixed Venous/Arterial Insufficiency](#)

## References

See [Procedure Document](#)

## Developed by

Provincial Nursing Skin and Wound Committee in collaboration with Regional Skin & Wound Committees from NHA, IHA, FHA, VIHA, PHSA & VCH/PHC

VCH/PHC representatives on the Provincial Nursing Skin & Wound Committee:

WOC Nurse, VCH  
WOC Nurse, Vancouver Community  
WOC Nurse, VGH & UBCH  
ETN, Residential Care, Vancouver  
ETN, Surgery Program, LGH, Coastal  
Wound Clinician, Richmond Home Care  
WOCN, PHC

## Endorsed by

VCH: (*Regional SharePoint 2<sup>nd</sup> Reading*)  
Health Authority Profession Specific Advisory Council Chairs (HAPSAC)  
Health Authority & Area Specific Interprofessional Advisory Council Chairs (HAIAC)  
Operations Directors  
Professional Practice Directors  
PHC: Professional Practice Standards Committee

## Final Sign-off & Approval for Posting by

Vice President Professional Practice and Chief Clinical Information Officer, VCH  
Professional Practice Standards Committee, PHC

## Date of Approval/Review/Revision

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