A multi-disciplinary approach to DVT prevention.

MEDLINE

DVT Prophylaxis

Mechanical pumps and sleeves. Static stockings.

DVT: A Preventable Problem

Venous thromboembolism (**VTE**) includes deep vein thrombosis (**DVT**) and pulmonary embolism (**PE**). All are major public health problems in the United States. Deep vein thrombosis occurs when a blood clot forms in a large vein, often in the leg. Part of a clot may break off and travel to the lungs, causing a pulmonary embolism and possibly death.

DVT and PE are serious, often under diagnosed, but preventable medical conditions. It is important to know about VTE because it can happen to anybody at any age.

Prevention is preferable to treatment. When at-risk patients for thromboembolism are identified, doctors look at two potential prophylactic measures: anti-coagulation medications and mechanical methods such as lower limb compression.[1]

DVT and its consequences:

Pervasive 2 million Americans have DVT/PE annually, 600,000 hospitalized and as many as 300,000 may die.

Deadly More deaths than AIDS, breast cancer, and traffic accidents combined.

Common More people suffer from DVT annually than either heart attack or stroke.

Predictable Up to 60% of patients for hip replacement without prophylaxis may expect to develop DVT.

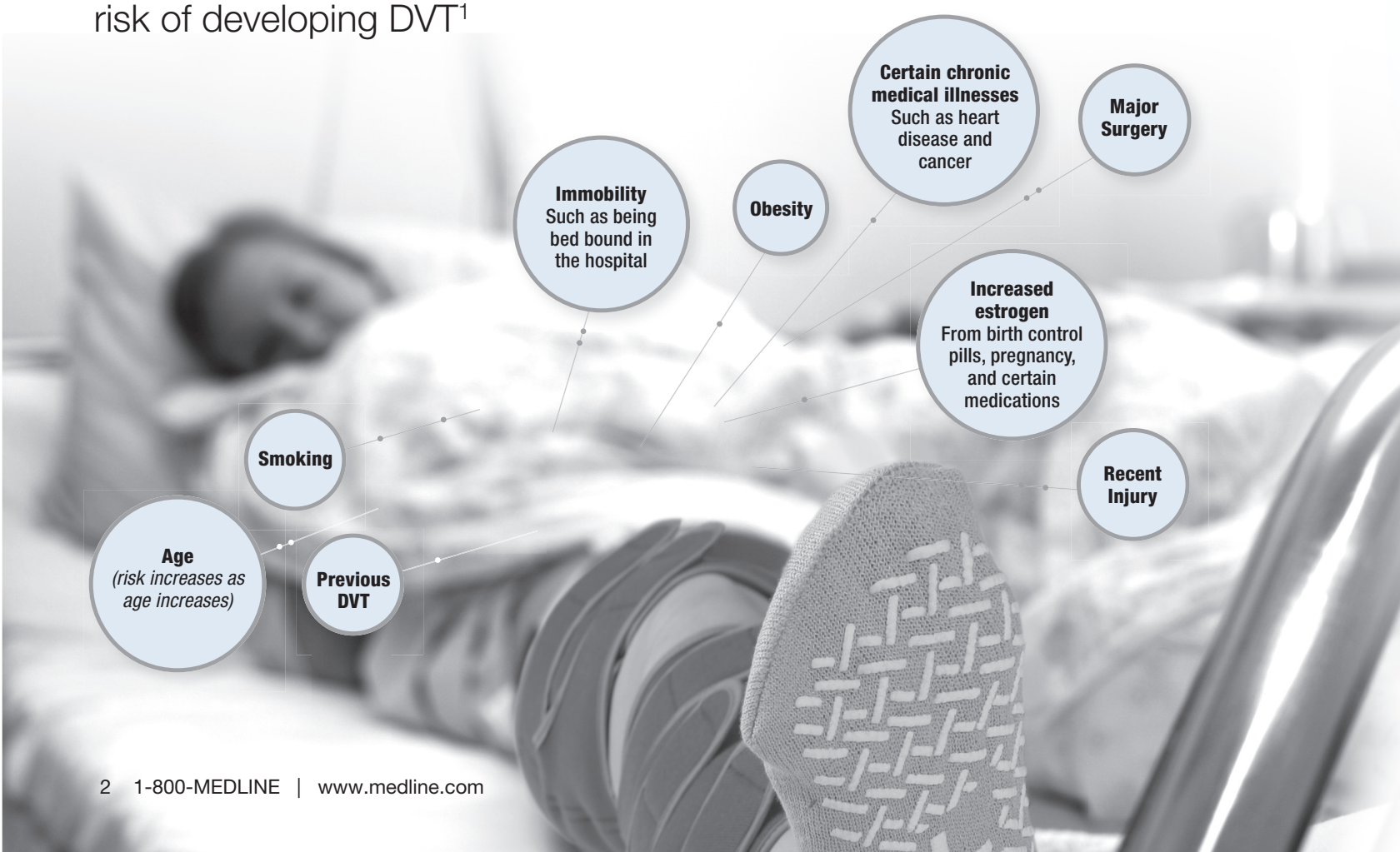
Undertreated A multi-center study showed only about a third of at-risk patients received VTE preventive care.

Cruel Cancer patients have 2x the DVT risk and 3x the fatal PE risk of non-cancer patients for the same surgery.

Tragic PE is the leading cause of maternal death in childbirth. Pregnancy increases DVT risk by a factor of six.

Source: PreventDVT.org. DVT at-a-glance. Available at: http://www.preventdvt.org/about/what-is-dvt.aspx. Accessed April 11, 2013.

Factors that increase the risk of developing DVT[1]



Medline multi-disciplinary approach to compression therapy.

Only Medline offers clinicians all three of the compression products they use to keep their patients well.

Intermittent
pneumatic compression

Hemo-Force® DVT pump and single bladder sleeves produce alternating compression of foot, knee, or leg.

Item# MDS600INT

Sequential
pneumatic compression

Hemo-Force SQ DVT pump and 3 bladder patient sleeves create a wave of compression for foot, knee, or leg.

Item# MDS600SQ

Static
non-dynamic compression

EMS compression stockings provide constant, graduated compression from foot to knee or foot to thigh.

Item#
MDS160644 (knee-hi)
MDS160844 (thigh-hi)

Item#
MDS630M (thigh)
MDS601MD (knee)
MDS620 (foot)

Sequential or Intermittent?

With Medline you can choose the therapy that's right for your facility.

Differential data is inconclusive.

We were unable to show a difference in DVT incidence based on the length of the device or the method of compression. Randomized studies are needed to confirm our findings and evaluate hypotheses derived from this study. (J Vasc Surg 2001;34:459-64.)

Rapid inflation, high pressures, and graded sequential intermittent compression systems will have particular augmentation profiles, but there is no evidence that such features improve the prophylactic ability of the system. (Ann Surg 239(2):162-171, 2004. © 2004 Lippincott Williams & Wilkins)

"The precise way in which that stasis is prevented appears to be of much less relevance than ensuring that systems are applied properly." (Evidence-Based Compression: Prevention of Stasis and Deep Vein Thrombosis Rhys J. Morris, PhD; John P. Woodcock, PhD, DSc, CPhys, FInstP, FIPEM Ann Surg 239(2):162-171, 2004. © 2004 Lippincott Williams & Wilkins)

Medline Hemo-Force

DVT Prophylaxis Pumps – Intermittent or Sequential

Because of the many studies that suggest that sequential and intermittent therapy have equivalent clinical effectiveness in terms of preventing VTE, the market is beginning to gravitate towards intermittent therapy over sequential because they get the best value. Medline offers both intermittent and sequential options to suit your clinical judgement.

LED display: Power on, low pressure and continuous pressure indicators, battery charge indicator and high pressure indicator

Tracks therapy duration; the timer pauses if therapy is interrupted and continues when interruption is fixed.

Automatically detects sleeve choice and sets therapy. Works with one or two sleeves without sounding alarm.

Audible/Visible alarm system for pressure faults and low battery power

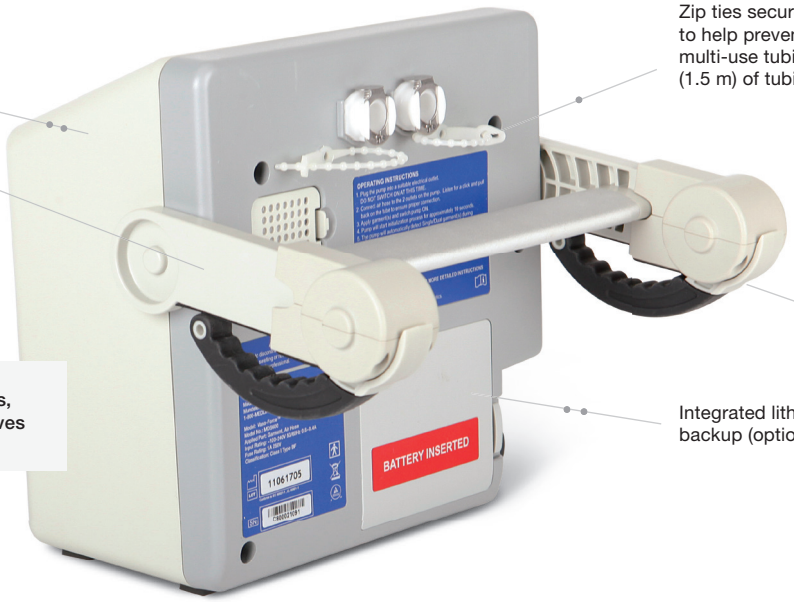
Alarm troubleshooting guide prominently displayed on the front of pump for easy problem solving

Front (MDS600INT)

Durable ABS case, Lightweight— only 4.85 lbs (2.2 kg). UL, CE, TUV safety tested and listed

Zip ties secure tubing to the pump to help prevent accidental discard of multi-use tubing. 5 ft. (1.5 m) of tubing is included.

Easy-carry handle



Built-in hinge for a tight grip and convenient bedside hanging.

40 mmHg pressure for leg sleeves, 120 mmHg pressure for foot sleeves

Integrated lithium battery backup (optional)

Back (MDS600INT)

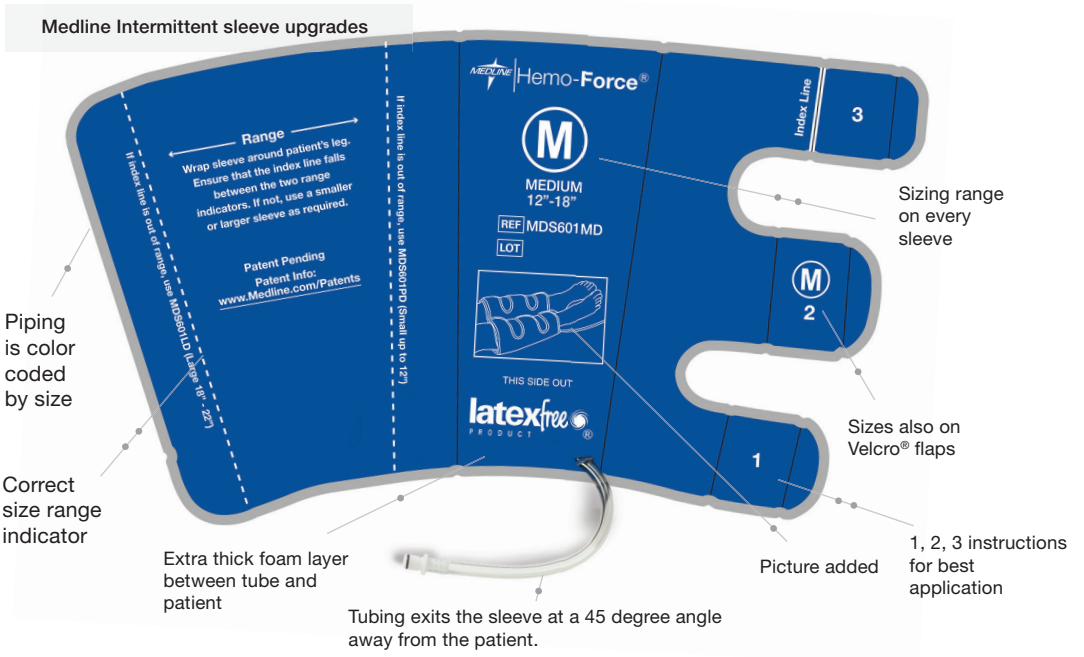
DVT Pumps

Item No.	Description	Pkg
MDS600INT	DVT Pump, intermittent	1/ea
MDS600SQ	DVT Pump, sequential	1/ea
MDS600BAT	Battery	1/ea

Medline DVT
Prophylaxis Sleeves

Medline sleeves are a comfortable choice, with a soft, breathable lining that encourages compliance. Now they've been improved in several ways, including more padding to cushion the tubing exit point, a better hose angle for exceptional usability and more markings and instructions right on the sleeve for just-in-time guidance for appropriate clinical use.

Medline Intermittent sleeve upgrades



calf sleeve MDS601MD

thigh sleeve MDS630M

foot sleeve MDS620

Hemo-Force Intermittent Sleeves

(one bladder per sleeve, use with MDS600INT pump)

Item No.	Description	Circumference	Packaging
MDS601PD	Sleeve, knee, small	Up to 12"	10 pair/cs
MDS601MD	Sleeve, knee, medium	12" to 18"	10 pair/cs
MDS601LD	Sleeve, knee, large	18" to 22"	10 pair/cs
MDS601BD	Sleeve, knee, x-large	22" to 32"	10 pair/cs
MDS620	Sleeve, foot, medium	Up to 13" instep	10 pair/cs
MDS620L	Sleeve, foot, large	13" to 16" instep	10 pair/cs
MDS630S	Sleeve, thigh, small	Up to 22"	10 pair/cs
MDS630M	Sleeve, thigh, medium	22" to 29"	10 pair/cs
MDS630L	Sleeve, thigh, large	29" to 36"	10 pair/cs
MDS630B	Sleeve, thigh, x-large	36" to 42"	10 pair/cs
MDS610S	Tube set, 5 ft (1.52 m)		5 pair/cs
MDS610L	Tube set, 10 ft (3.04 m)		5 pair/cs
DYNJ601M	Sleeve, knee, medium, sterile, w/tubing	12" to 18"	5 pair/cs
DYNJ630M	Sleeve, thigh, medium, sterile, w/tubing	22" to 29"	5 pair/cs
DYNJ620	Sleeve, foot, medium, sterile, w/tubing	Up to 13" instep	5 pair/cs

Hemo-Force Sequential Sleeves

(three bladders per sleeve, use with MDS600SQ pump)

Item No.	Description	Circumference	Packaging
MDS601PSQ	Sleeve, knee, small	Up to 12"	10 pair/cs
MDS601MSQ	Sleeve, knee, medium	12" to 18"	10 pair/cs
MDS601LSQ	Sleeve, knee, large	18" to 22"	10 pair/cs
MDS601BSQ	Sleeve, knee, x-large	22" to 32"	10 pair/cs
MDS620SQ	Sleeve, foot, medium	Up to 13" instep	10 pair/cs
MDS620LSQ	Sleeve, foot, large	13" to 16" instep	10 pair/cs
MDS630SSQ	Sleeve, thigh, small	Up to 22"	10 pair/cs
MDS630MSQ	Sleeve, thigh, medium	22" to 29"	10 pair/cs
MDS630LSQ	Sleeve, thigh, large	29" to 36"	10 pair/cs
MDS630BSQ	Sleeve, thigh, x-large	36" to 42"	10 pair/cs
MDS610SSQ	Tube set, 5 ft (1.52 m)		5 pair/cs
MDS610LSQ	Tube set, 10 ft (3.04 m)		5 pair/cs

Medline EMS®

Anti-Embolism Stockings – Static

Medline's EMS anti-embolism stockings provide a tailored, contoured fit with just the right amount of gradient pressure. Pressure is greatest at the ankle and gradually reduces throughout the length of the leg (15-18mmHg).

Stockings are constructed of 80 percent nylon and 20 percent spandex. To meet specific patient needs, they are available in knee- and thigh-length, both with an open toe for circulation monitoring by caregivers. Measuring tapes to assist in determining correct patient sizing are included in each box and each individual bag.

Each package of stockings is color-coded for fast, positive product/size identification. The stocking itself also shows size for accurate patient fitting as well as the product number to make ordering easier.

CURAD OTC Compression Hosiery

Available at healthcare retailers everywhere, these socks, knee-high and thigh-high, are both fashionable and therapeutic. They are increasingly used by air and auto travelers, pregnant women, people who work on their feet for long periods and by those with tired legs.

Ask your Medline rep for the full CURAD hosiery catalog with over 150 different styles, colors, compression levels and sizes to meet every need.

LIT865

Knee-length stockings

Item No.	Size	Calf circum.	Leg length	Packaging
MDS160624	Small regular	10" - 13" (25.5 - 33 cm)	14" - 16" (36 - 40.5 cm)	12 pair/box
MDS160628	Small long	10" - 13" (25.5 - 33 cm)	16" - 18" (40.5 - 46 cm)	12 pair/box
MDS160644	Medium regular	13" - 15" (33 - 38.1 cm)	15" - 17" (38 - 43 cm)	12 pair/box
MDS160648	Medium long	13" - 15" (33 - 38.1 cm)	17" - 19" (43 - 48.5 cm)	12 pair/box
MDS160664	Large regular	15" - 17" (38.1 - 43 cm)	16" - 18" (41 - 45.5 cm)	12 pair/box
MDS160668	Large long	15" - 17" (38.1 - 43 cm)	18" - 20" (45.5 - 51 cm)	12 pair/box
MDS160684	X-Large regular	17" - 19" (43 - 48 cm)	16" - 18" (41 - 45.5 cm)	12 pair/box
MDS160688	X-Large long	17" - 19" (43 - 48 cm)	18" - 20" (45.5 - 51 cm)	12 pair/box
MDS160694	XX-Large regular	18" - 21" (46 - 53 cm)	16" - 18" (41 - 45.5 cm)	12 pair/box
MDS160698	XX-Large long	18" - 21" (46 - 53 cm)	18" - 20" (45.5 - 51 cm)	12 pair/box

Thigh-length stockings

Item No.	Size	Calf circum.	Leg length	Packaging
MDS160820	Small short	10" - 13" (25.5 - 33 cm)	26" - 29" (66 - 74 cm)	6 pair/box
MDS160824	Small regular	10" - 13" (25.5 - 33 cm)	29" - 31" (74 - 79 cm)	6 pair/box
MDS160828	Small long	10" - 13" (25.5 - 33 cm)	31" - 34" (79 - 86 cm)	6 pair/box
MDS160840	Medium short	13" - 15" (33 - 38.1 cm)	26" - 29" (66 - 74 cm)	6 pair/box
MDS160844	Medium regular	13" - 15" (33 - 38.1 cm)	29" - 31" (74 - 79 cm)	6 pair/box
MDS160848	Medium long	13" - 15" (33 - 38.1 cm)	31" - 34" (79 - 86 cm)	6 pair/box
MDS160860	Large short	15" - 17" (38.1 - 43 cm)	26" - 29" (66 - 74 cm)	6 pair/box
MDS160864	Large regular	15" - 17" (38.1 - 43 cm)	29" - 31" (74 - 79 cm)	6 pair/box
MDS160868	Large long	15" - 17" (38.1 - 43 cm)	31" - 34" (79 - 86 cm)	6 pair/box
MDS160884	X-Large regular	17" - 19" (43 - 48 cm)	29" - 31" (74 - 79 cm)	6 pair/box
MDS160888	X-Large long	17" - 19" (43 - 48 cm)	31" - 34" (79 - 86 cm)	6 pair/box

Competitive Cross-Reference for DVT Prophylaxis

Pumps, Sleeves, Tubing and Stockings

Product Description	Medline® Intermittent	Huntleigh® Flowtron®	Medline® Sequential*	Kendall (SCD) Response®
Pump	MDS600INT	AC500, AC550	MDS600SQ	7325, 9525
Knee sleeve-small	MDS601PD	N/A	MDS601PSQ	N/A
Knee sleeve–medium	MDS601MD	DVT10/E	MDS601MSQ	5329, 9529
Knee sleeve–large	MDS601LD	DVT20/E	MDS601LSQ	5489, 9589, 9789
Knee sleeve–x-large	MDS601BD	DVT60/E	MDS601BSQ	5490, 9790
Thigh sleeve–small	MDS630S	N/A	MDS630SSQ	5345, 9545/9545T
Thigh sleeve–medium	MDS630M	DVT30/E	MDS630MSQ	5330, 9530/9530T
Thigh sleeve–large	MDS630L	DVT40/E	MDS630LSQ	5480, 9780/9780T
Thigh sleeve–x-large	MDS630B	N/A	MDS630BSQ	N/A
Foot sleeve–medium	MDS620	FG100 (2)	MDS620SQ	5065
Foot sleeve–large	MDS620L	FG200 (2)	MDS620LSQ	5075, 9595
Tubing	MDS610S	L550	MDS610SSQ	6328, 9528
Tubing–x-large	MDS610L	L552	MDS610LSQ	N/A

*intermittent (single bladder) also available in this size; see intermittent SKUs on chart to the left

Knee-length stockings

Product Description	Medline® EMS Stockings	Jobst®	Kendall Nylon	Kendall Cotton	Carolon®	Cardinal Health®	Zimmer®	Albahealth®
Small, regular	MDS160624	111402	7071	6061	511CAP	23640-120	2040-007	853-01
Small, long	MDS160628	111403	7339	6392	512CAP	23640-125	2040-011	858-01
Medium, regular	MDS160644	111406	7115	6133	521CAP	23640-140	2040-008	853-02
Medium, long	MDS160648	111407	7480	6483	522CAP	23640-145	2040-012	858-02
Large, regular	MDS160664	111410	7203	6200	531CAP	23640-160	2040-009	853-03
Large, long	MDS160668	111411	7594	6545	532CAP	23640-165	2040-013	858-03
X-large, regular	MDS160684	111414	7604	6665	541CAP	23640-180	2040-010	853-04
X-large, long	MDS160688	111415	7802	6727	542CAP	23640-185	2040-014	858-04
XX-large, regular	MDS160694	N/A	7470	N/A	551CAP	N/A	N/A	N/A
XX-large, long	MDS160698	N/A	7471	N/A	552CAP	N/A	N/A	N/A

Thigh-length stockings

Product Description	Medline® EMS Stockings	Jobst®	Kendall Nylon	Kendall Cotton	Carolon®	Cardinal Health®	Zimmer®	Albahealth®
Small, short	MDS160820	111450	3071	4162	610CAP	23640-315	2040-023	863-01
Small, regular	MDS160824	111451	3130	4286	611CAP	23640-320	2040-027	863-02
Small, long	MDS160828	111452	3222	4305	612CAP	23640-325	2040-031	863-03
Medium, short	MDS160840	111454	3310	4466	620CAP	23640-335	2040-024	868-01
Medium, regular	MDS160844	111455	3416	4515	621CAP	23640-340	2040-028	868-02
Medium, long	MDS160848	111456	3549	4620	622CAP	23640-345	2040-032	868-03
Large, short	MDS160860	111458	3634	4704	630CAP	23640-355	2040-025	873-01
Large, regular	MDS160864	111459	3728	4808	631CAP	23640-360	2040-029	873-02
Large, long	MDS160868	111460	3856	N/A	632CAP	23640-365	2040-033	873-03
X-large, regular	MDS160884	111462	3181	N/A	641CAP	N/A	2040-030	873-04
X-large, long	MDS160888	111463	3182	N/A	642CAP	N/A	2040-034	873-05

Intermittent sleeves and tubing pictured

Policies and recommendations supporting DVT prophylaxis

Centers for Medicare & Medicaid Services

Use of compression with a DVT pump can lessen the patient's chances of developing DVT and PE. The combination of DVT and PE following surgery is one of eight hospital-acquired conditions for which The Centers for Medicare & Medicaid Services (CMS) no longer provides payment. According to government statistics, DVT and PE may be responsible for more than 100,000 deaths each year.[2, 3]

The Surgical Care Improvement Project

SCIP recognized that **venous thromboembolism** (VTE), which includes DVT and PE, is one of the most common postoperative complications in the U.S. Two measures, SCIP-VTE-1 and SCIP-VTE-2, call for improvements in the rates of patients receiving appropriate VTE prophylaxis both before and after surgery.

1. Anderson FA, Audet A. Best practices: preventing deep vein thrombosis and pulmonary embolism 1998. Center for Outcomes Research. University of Massachusetts Medical Center. Available at: http://www.outcomes-umassmed.org/dvt/best_practice. Accessed April 10, 2013.
2. Centers for Disease Control and Prevention website. Are You At Risk For Deep Vein Thrombosis? Available at: http://cdc.gov/features/thrombosis. Accessed April 10, 2013.
3. Centers for Medicare and Medicaid Services website. Hospital-Acquired Conditions (Present on Admission Indicator). https://www.cms.gov/HospitalAcqCond/06_Hospital-Acquired_Conditions.asp#TopOfPage. Accessed April 10, 2013.

Tools for Better Care, Better Communication

The color-coded measuring tape helps ensure your patients are getting the proper size sleeve for their compression therapy. Measuring instructions are right on the tape. Single use and disposable.

The patient care card provides patients and their families with key information about VTE and why they're getting compression therapy. It encourages compliance by reinforcing the VTE message and patient instructions.

Both available separately.
Ask your Medline rep for details.

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