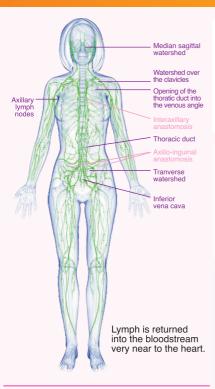
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LYMPH NODES MANAGEMENT FOR LEG & ARM





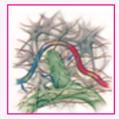
"For those suffering from diseases of the lymphatic system, it is essential that their treatment should be pleasant, compatible with their everyday lives, and yet as effective as possible."

Lymph nodes

Lymph nodes are found in many parts of the body. The filtering function allows the removal of harmful substances.

Lymphocytes are produced in the lymph nodes. These are a type of white blood cell and form part of the body's system of defence against disease.

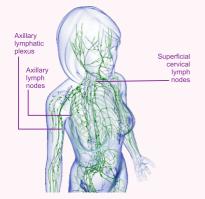




Lymph capillaries & accompanying blood capillaries

The lymph capillaries are shaped like fingers and lie in spaces between the body's tissue cells.

They have special openings through which all the substances that can only be removed by lymph are taken up. They are joined to Pre collectors that carry the lymph away.

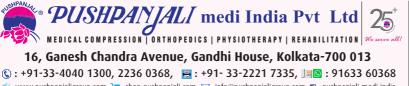




Compression garments are an essential part of ongoing care and must always be worn to ensure reductions in limb volume are maintained."



The lymphatic vessels, unlike our system of arteries and veins, do not form a circulatory system but act as "blind allies" in the peripheral areas. The main role of this is to carry away proteins and other substances that cannot be removed by absorption into the venous capillaries. Approximately 2 to 4 litres of lymph are carried into the bloodsteam daily.





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Lymphoedema is defined as subcutaneous soft tissue swelling. Lymphoedema develops when the lymphatic system can no longer transport lymph, a tissue fluid, due to insufficiency (primary) or damage caused by trauma (secondary). The resulting pooling of water and protein in the tissues causes the swelling. The protein may cause chronic tissue inflammation which eventually leads to the formation of connective tissue fibres.

Common causes of injury to lymphatic vessels

- frequent inflammation of the lymph vessels, e.g. caused by bacteria
- protracted injuries, burns covering large areas of skin
- treatment of malignant tumours, after surgery and / or radiotherapy.

Therapeutic measures for lymphoedema Principles of therapy

It's a fact : you can only prevent your disease worseing by sticking rigidly to your treatment. Complex Physical decongestion therapy (CPD) has proved very successful and become established in the treatment of lymphoedema. This acts, for example in the

- drainage of lymphatic congestion
- restructuring of changed, hardened connective tissue
- activation of the muscle pumps, etc.

Manual lymphatic drainage is one of the most important methods of HLD therapy.

Special massage techniques, known as stationary circles, CPD pumping, scooping and rotaries, are used alternately or in combination, as required. The pressure applied is adapted to the individual patient's condition. On no account must these treatment techniques cause or aggravate pain. The combination of manual lymphatic drainage with subsequent compression therapy, bandaging or wearing of compression stocking, leads to the best possible therapeutic outcome and therefore reduce oedema.

Compression plays an important part in the treatment of lymphoedema, be it primary or secondary lymphoedema, and in the hand, arm, leg or elsewehere.

With a correctly fitting garment not only does the garment increase the pressure within the tissues thus encouraging lymph to redistribute and drain, but also it reinforces the skin making a firm wall to the limb so as to increase the efficiency of the muscle pump system within and encouraging lymph flow and compromised limb.

Measurement Method (mediven® harmony)

Please tick ($\sqrt{}$) the size in the Box-2 as per Table no.1

Please tick ($\sqrt{}$) in the Box for the style as per Table no. 2



circaid® juxtafit® essentials arm



circaid® iuxtafit drainage in the

Treatment Sequence











A-Preparation of the supraclavicular ("terminus") stations D-Mobilization manoeuvre of the forearm G-Large post-mastectomy arm (lymphoedema)

B-Manoeuvre stimulating Mascagini's pathway E-Recovery manoeuvre using the thumbs H-Mobilization of the upper limb during the course of combined treatment with MLD

per Table 1

C-Recovery manoeuvre of the arm F-Recovery manoeuvre of the forearm

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Measurement method - mediven® harmony CCL 1* and 2 - Lymphoedema Patients



11	Sizes		н		IV	v	VI	VII
and a	Thumb	Bottom eX Top eZ	7,0 6,0	7,5 6,5	8,0 6,5	8,5 7,0	9,0 7,5	10,0 8,0
	Index finger	Bottom eX Top eZ	6,5 5,0	7,0 5,5	7,5 6,0	8,0 6,0	8,5 6,5	9,5 7,0
	Middle finger	Bottom#X Top#Z	6,5 5,0	7,0 5,5	7,5 6,0	8,0 6,0	8,5 6,5	9,5 7,0
	Ring finger	Bottom eX TopeZ	6,0 5,0	6,5 5,0	7,0 5,5	7,0 5,5	7,5 6,0	9,0 6,5
	Little finger	Bottom #X	5,5	6,0	6,0	6,5	7,0	8,0





• First Take the measurement of cA, cC, cE & cG of the hand in the Box -1 as

m) 23-30 27-35 31-41 35-46 40-52 44-58 aid[°] iuxtafit[°] essentials

Circumf	lerence(cm)							
Sizes		11			IV	v	VI	VII
cG	25,5-28	28-30,5	3	0-33	32-35	33,5-38,5	36-39,5	38-41,5
сE	23-25	24,5-28,5	26	-28,5	27,5-30	29-31,5	30,5-33,5	32,5-35,5
cC	13,5-14,5	14,5-15,5	16	-17,5	17,5-19	19-20,5	20,5-22,5	22,5-24,5
cA	15-18	16-19	17	7-20	19-22	20-23	22-25	24-27
Circu	mference	/Fingers (cm)/Sizes					
Sizes					IV	v	VI	VII
Thur	b	Bottom eX Top eZ	7,0 6,0	7,5 6,5	8,0 6,5	8,5 7,0	9,0 7,5	10,0 8,0
index	finger	Bottom #X Top #Z	6,5 5,0	7,0 5,5	7.5 6,0	8,0 6,0	8,5 6,5	9,5 7,0
Midd	le finger	Bottom #X Top#Z	6,5 5,0	7.0 5,5	7,5 6,0	8,0 6,0	8,5 6,5	9,5 7,0
Ring	finger	Bottom eX TopeZ	6,0 5,0	6,5 5,0	7,0 5,5	7,0 5,5	7,5 6,0	9,0 6,5
Little	finger	Bottom eX TopeZ	5,5 4,5	6,0 4,5	6,0 5,0	6,5 5,0	7,0 5,5	8,0 6,0



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