

THE Burn Center at Ramsey



640 Jackson Street
St. Paul, Minnesota 55101
612/221-3351

Home Care Program WRIGHT LINEAR SEQUENTIAL PRESSURE PUMP

- Purpose:
1. To decrease swelling of the hand and arm or toes and leg.
 2. To decrease pain.
 3. To speed wound healing by improving circulation.
 4. To improve function by decreasing swelling.
1. Wash extremity carefully. Dry thoroughly. Don Tubigrip™ shaped support garment.
 2. If open areas are present, apply _____, then Kerlix™ wrap, then nylon stocking, then elastic stocking. Keep all layers wrinkle free.
 3. If toenails or fingernails are irritated, protect with lamb's wool wrap or foam cylinder.
 4. Lie in horizontal position. Elevate the swollen limb above heart level. Fully exercise all joints.
 5. Check settings of pump. Set **ON TIME** timer to _____ seconds.
Set **OFF TIME** timer to _____ seconds.
Set second and third timers to _____ seconds.
Set the system timer to _____ hours.
 6. Place limb into the three cell sleeve. Zip sleeve closed. Attach waist straps if needed.
 7. Turn power switch to ON. As pump cycles observe hoses, clamps and connections for leaks. Observe the pressure dials. These have been set by your therapist to the pressures ordered by your doctor. Do not change these pressures. Return to clinic with your pump for resetting if needed.
Your pressures are: foot/hand _____
calf/lower arm _____
thigh/upper arm _____
Your system timer will continue cycling for _____ hours.
 8. If you note pain or blisters, discontinue use of pump. Bring pump with you to clinic for re-evaluation.
 9. Apply stocking or elastic wrap to limb when not wearing the pump. Keep limb elevated until support garments are applied.
 10. Clean sleeve with mild soap on a sponge weekly. Sponge rinse with clear water. Dry thoroughly with a towel. Unzip to air dry when not in use.
 11. **PRECAUTIONS:** If you see large amounts of drainage, notice a foul odor, or the wound seems hot, seems to be getting worse or becomes severely painful, call your doctor or therapist for an appointment to be seen in clinic. Discontinue using the pump. Continue using elastic support bandages, elastic stockings or Unna dressings until the doctor evaluates your limb. Record your pulse daily on the attached form. If your pulse rate increases more than 20 points or you have shortness of breath, call your doctor.

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Therapy orders for Inpatient Care Program WRIGHT LINEAR SEQUENTIAL PRESSURE PUMP

- Purpose:**
1. To decrease swelling of the hand and arm or toes and leg
 2. To decrease pain.
 3. To speed wound healing by improving circulation.
 4. To improve function by decreasing swelling.
1. Assemble Wright pump according to instructions. Run one cycle to evaluate connections, air leaks, etc. Place pump on extra bedside table or cart.
 2. Explain procedure for pumping and purpose of treatment to patient.
 3. Measure limb and document before and after each pumping.
 4. Ask nurse for record of pulse and blood pressure and document.
 5. Begin pumping procedure 15 minutes after pain medication has been administered.
 6. Apply Kerlix™ wrap, stockinette sleeve or Tubigrip™ shaped support bandage to extremity to be pumped.
 7. If open areas are present, apply _____, then Kerlix™ wrap. If appropriate use nylon stocking to prevent wrinkles while applying stockinette or elastic stocking.
 8. If toenails or fingernails are irritated, protect with lamb's wool wrap or foam cylinder. Instruct patient in meticulous nail care.
 9. With patient in horizontal position, elevate the swollen limb above heart level. Fully exercise all joints.
 10. Check settings of pump. Set **ON TIME** timer to _____ seconds.
Set **OFF TIME** timer to _____ seconds.
Set second and third timers to _____ seconds.
Set the system timer to one hours. Pump for one hour for first pumping.
Later increase one hour a day as tolerated. Increase pressure as discussed with physician.
 11. Place limb into the three cell sleeve. Zip sleeve closed. Attach waist straps if needed.
 12. Turn power switch to ON. Stay with patient for first several cycles. As pump cycles, again observe hoses, clamps and connections for leaks. Observe the pressure dials. It may be necessary to set the most proximal cuff to the least possible pressure so that the patient will tolerate the first treatment. Once the patient tolerates using the linear pump 4-6 hours, the pressure may be increased.
- Pressures are: foot/hand _____
calf/lower arm _____
thigh/upper arm _____
- Set the system timer for _____ hours.
13. If the patient complains of pain or blisters, discontinue use of pump. Encourage patient to use elevation and exercise to decrease edema and offer pump trial for the next day.
 14. Apply elastic wrap to limb when not wearing the pump. Use Unna dressing if ordered. Keep limb elevated until support garments are applied.
 15. Clean sleeve with mild soap on a sponge daily. Sponge rinse with clear water. Dry thoroughly with a towel. Unzip to air dry when not in use.
 16. Patient education and return demonstrations must be completed before patient is discharged.
 17. **PRECAUTIONS:** Do not use if large amounts of drainage, a foul odor, or cellulitis are present. Notify physician if pulse rate increases more than 20 points, respirations increase more than 10 or the patient has shortness of breath.

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1-800-922-BURN
BURN INFORMATION 24 HOURS A DAY

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