

Section: Division of Nursing
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PROCEDURE

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HACKETTSTOWN REGIONAL MEDICAL CENTER

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OR
(Scope)

TITLE: WELL JOHNSON INFUSION SYSTEM

PURPOSE: To outline nursing responsibilities in the set up and use of the Wells Johnson Infusion System.

SUPPORTIVE DATA: The Wells Johnson Infusion Machine is used in the operative setting for liposuction cases.

EQUIPMENT LIST: **General Description:** The infusion pump unit is used during the liposuction procedure to infuse fluids into the tissue, which is to be removed. The Wells Johnson Infusion System has a power on/off switch and a potentiometer, which can adjust the speed of the motor.

Components:

1. Pump Controller
2. Pump Head
3. Foot Switch
4. Infusion Tubing
5. Infusion Cannulas

CONTENT:

PROCEDURE STEPS:

- A. First install the infusion tubing into the pumphead.
 1. Rotate the pumphead lever counter clockwise to open the pumphead.
 2. Insert the enlarged center section of the infusion tubing into the pumphead opening over the rollers.
 3. Rotate the pumphead lever clockwise to close the pumphead and clamp the tubing.
- B. Second, connect the footswitch to the pump control.
- C. Third connect the footswitch to a 120v-wall outlet. This unit can be used without a foot switch by disconnecting the foot switch and plugging the power cord directly into a wall outlet.
- D. Fourth adjust the speed control to the desired speed after the cannula is secured to the end of the tubing. The numbers under the speed control knob are for reference only, If the direction of flow needs to be changed, reverse the intake and discharge sides of the tubing.

Trouble Shooting:

1. No Power: This can occur if the system has blown a fuse or the motor brushes/commutator has excessive wear.
2. Tubing Problems: The black lever on each side of the pumphead can be pressed inward, allowing it to slide up or down to adjust the tubing. Sliding button upward loosens pumphead grip on the infusion tubing. Tubing will have a tendency to bunch up in the pumphead if the buttons are adjusted too high. Adjusting the button downward tightens the pumphead grip on the tubing. Adjusting the buttons toward the bottom of their excursions may restrict the flow rate.

Reference: Wells Johnson Infusion Manual