Section:	Division of Nursing	************ * PROCEDURE *	Index: Page:	7420.088a 1 of 3 May 2006	
Approval:		-	issue Dale.	May 2000	
	HACKETTS	TOWN REGIONAL MEDICAL	CENTER		
Originator:	P. Stafford, RN				
		(Scope)			
TITLE:	DYONICS SHAVER HAND PIECE				
PURPOSE:	To outline procedure for proper use of Smith & Nephew Dyonics Power Shaver System Hand Piece				
EQUIPMENT:	Dyonics shaver hand piece				
CONTENT	PROCEDURE KEY POINT		POINT		
Dyonics Shaver Handpiece	A. The shaver handpiece is connected to the contro	s a hand held motor drive whicl I unit via a 10-foot cable.	h is		
Trancpièce	B. The handpiece is designed to sense blade type installed and communicate that information to the control unit, which sets the operating parameters.				
Operation of Handpiece	A. The hand control shave controls for Forward, Re the handpiece. With th with the handpiece as v	r hand piece features push but everse and Oscillate on the dis ese models you can control bla vell as with the footswitch.	ton tal end of ade action		
	B. All handpieces can be c channel connector on th unit automatically detec When a non-hand-cont prompts you to connect light above the footswite	onnected to either the A chann he control unit front panel. The ets the type of handpiece conne rol shaver is selected, the syste t the footswitch by blinking the i ch connector.	el or B control ected. em indicator		
	C. Set speeds are remembered for Forward/Reverse and Oscillate modes independently and in increments of 100 rpms.				
	D. Suction is connected to handpiece and removes window. In addition to and lubricates the moto	a portal on the proximal end of s fluid and debris drawn throug removing fluids, the suction coo r drive.	f the h the blade bls <b>CAUT</b>	ION: Do not operate	
	E. Cutting takes place whe blade's outer window. closes the window to th Lock feature, you can s specific position. The v somewhere in between technique.	In the blade edge rotates acros The blade action alternately op- e suction flow. With the blade et the handpiece to stop the bla vindow can be fully opened or o depending on what is required	ens and the lac Window cause ade in a and se closed, or I for the	for an extended period, as the lack of irrigation may cause the blade to overheat and seize.	

Index:	7420.088a
Page:	<b>2 of</b> 3
Date:	May 2006

## F. Forward/Reverse Speed Shift

Depressing and holding the Forward or Reverse buttons on the handpiece for one second will alternately shift between two preset speeds (high and low) in the forward or reverse direction. High and low speeds are set by pushing the Slower or Faster buttons on the front panel for the Smith & Nephew DYONICS Power System Control Unit in either the slow or fast speed. If the slow and fast speeds are not set, then depressing and holding the handpiece buttons will not activate Speed Shift.

G. The **Oscillate** button causes the control unit to send alternate forward and reverse commands to the handpiece. The control unit reverses direction when the blade rotation reaches the set speed. The control unit continues the alternating signals until you remove your foot from the pedal.

## H. Blade Window Lock

Blade Window Lock sets the stop position of the inner blade relative to the opening at the top of the outer blade. Each time you press the **Window Lock** button, the blade rotates clockwise to a new stop position. Blade **Window Lock** can also be set by simultaneously pressing the Slower and Faster buttons on the shaver control unit, or by pressing and holding the Oscillate button on the Hand Control Shaver Handpieces.

## Installing To In Shaver Blade

## To Install A Blade in the Shaver Handpiece

1. Remove the blade from the sterile packing and insert the collar into the shaver.

A button on the blade collar fits into a notch on distal end of the Handpiece. The button clicks when the blade is fully engaged.

Pull the locking sleeve back, insert the blade and release the sleeve when the blade clicks into position.

The system automatically detects the blade type and displays the appropriate speeds (Table 1). The blade is properly engaged within the Control Units displays the minimum and maximum speeds.

2. Press the Forward button and observe the blade action to verify that it is properly installed.

The first time a blade type is installed in the Handpiece during a procedure, the system sets the blade speed to a default value. You can then increase or decrease the speed. As you change blade types during the procedure, the system recalls the speed last set for the blade type.

**NOTE:** The footswitch does not control the Forward or Reverse Shift Speed settings.

When no blade is installed in the selected shaver Handpiece, the Control Unit displays straight blade speeds.

Index:	7420.088a
Page:	3 of 3
Date:	May 2006

Blade Window Lock

Press the Window Lock button on the Footswitch to rotate the blade unit is in the best stopping position for the procedure.

You can also rotate the blade to a new stop position by simultaneously pressing the Slower and Faster buttons on the Control Unit front panel. If you are using a Hand Control Shaver, press and hold the Oscillate button down to advance the blade, and release the button when the blade is in the desired position.

If Blade Window Lock does not operate in a smooth, quiet manner, reset software by switching Handpiece channels or by turning the Control Unit power of OFF and then to ON.

WARNING: PERIODIOC IRRIGATION OF THE TIP OF THE BURR OR CUTTER IS RECOMMENDED TO RPVIDE ADEQUATE COOLING OF THE BLADE AND TO PREVENT ACCUMULATION OF EXCISED MATERIALS IN THE SURGICAL SITE. ENSURE THAT SUCTION OF 128 mmHG MINIMUM IS PROVIDED WHILE THE INSTRUMENT IS RUNNING.