

# Set up your procedure for powerful predictability.



Emprint™  
ablation system  
powered by  
Thermosphere™  
technology

# System set up



1

Turn on the Emprint™ HP ablation generator



5

Open the clear pump head door



2

Locate reusable cable (not sterile)



6

Insert orange tubing section with arrow direction matching arrows on pump



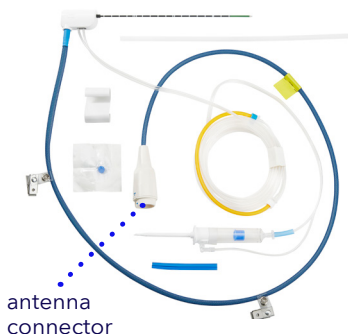
3

Connect reusable cable to generator



7

Close the pump head cover



4

Remove antenna from packaging



8

Remove the blue cap from the IV bag spike



9

Insert bag spike into the port on a 1 L or larger sterile saline IV bag



13

Allow pump to prime antenna with fluid until no more air bubbles in tubing or IV



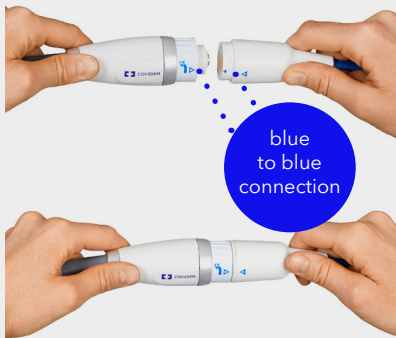
10

Gently squeeze the sides of the chamber until half full of saline



14

Set generator to desired power setting



11

Attach the antenna connector to the reusable cable



15

Set generator to desired time setting



12








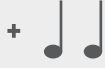



Activate pump action by pressing the Pump Activation Start/ Stop Switch



16

Push START/STOP button to start ablation

# Alert procedures

Alert	Cause	Solution
<b>Antenna Not Identified</b>  + 	<b>Meaning:</b> This warning is activated when an antenna is not properly connected. <b>Generator Response:</b> Generator will not start Microwave power.	Check connections between antenna and generator. Replace antenna if a secure connection doesn't resolve alert status.
<b>Reflected Power Limited Exceeded</b>  + 	<b>Meaning:</b> Reflected power is unusually high. Indication that device was activated in the presence of air. <b>Generator Response:</b> Microwave power delivery is disabled until the condition is resolved.	Ensure antenna is placed in tissue before activation. If antenna is properly placed, this may indicate antenna is damaged and should be replaced before proceeding. Clear the alarm by pressing RESET and continue the procedure.
<b>Antenna Temperature Limit Exceeded</b>  + 	<b>Meaning:</b> Internal antenna temperature has exceeded limit. <b>Generator Response:</b> Microwave power is disabled until internal temperature drops below 45 C.	Ensure cooling system is turned on and saline flow is not obstructed. Clear the alarm by pressing RESET and continue the procedure.
<b>Remote Temperature Probe Limit Exceeded</b>  + 	<b>Meaning:</b> RTP shutoff feature was enabled and measured probe temperature has met or exceeded 45 C during ablation. <b>Generator Response:</b> Microwave power delivery is disabled.	When the measured probe temperature is below 45 C, clear the alarm by pressing RESET and continue the procedure.
<b>General Warning</b>  + 	<b>Meaning:</b> The generator has detected a fault. <b>Generator Response:</b> Power is disabled on this trip.	Restart generator. If issue persists, power off generator completely for 10 minutes. If issue persists after 10 minutes, power off and consult Medtronic sales and service department.
<b>External Control</b> 	<b>Meaning:</b> Symbol illuminates white when the system is in manufacturer-configured service mode. <b>Note:</b> This signal only appears during the service by qualified Medtronic personnel.	

\* Refer to Emprint™ ablation system User's Guide for complete setup instructions.

**Medtronic**

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