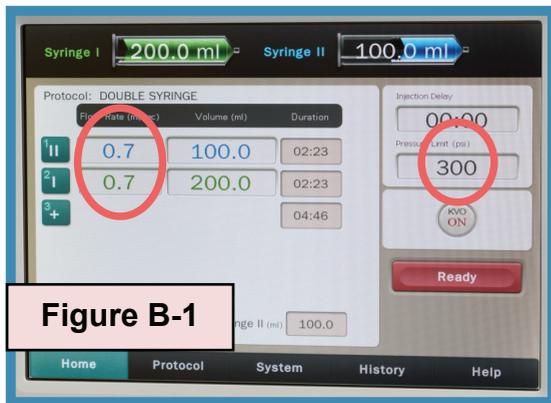


A. POWER ON SURGICHEM

- Injector Arm: On the rear of the base, turn on the power switch
- Monitor: On the rear of the monitor, connect power cord into the 12V port and turn on the power switch

NOTE: It is important to turn on Injector Arm first

B. INJECTION PROTOCOL RECOMMENDATIONS



- Set Flow Rate for both syringes to 0.7 ml/sec
Set Pressure Limit to 300 psi (**Figure B-1**)
- Follow User's Manual to input physician's injection protocol on monitor

Note: Follow User's Manual to save/modify protocols

C. INSTALL SYRINGE

- Orient the injector arm to vertical position
- Ensure the piston rods are fully retracted. If not fully retracted, press the *[Autofill]* button to retract piston rod. (**Figure C-1**)
- Insert syringe into blue or green chuck
- The RFID tag on the base of the syringe must be aligned with the injector arm membrane panel (front) (**Figure C-2**)
- Rotate syringe 90° clockwise (**Figure C-2**)
- Press *[Forward]* button to fully extend the piston rod for each syringe (**Figure C-3**)



Figure C-1



Figure C-2



Figure C-3

D. CONNECT TRANSFER SET

- Open Transfer Set package
- Connect three-way valves of Transfer Set to syringes (**Figure D-1**)

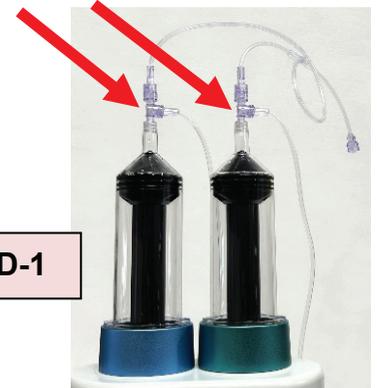


Figure D-1

E. HURRICHEM DEVICE KIT

Per HurriChem IFU:

- Confirm Functional Test of HurriChem aerosol is complete
- Camera cover is secured to HurriChem wand and extended the length of the high-pressure tubing
- HurriChem is properly inserted and fixated into patient via access port (trocar)
- Connect high-pressure tubing from HurriChem Device Kit to Transfer Set (**Figure E-1**)

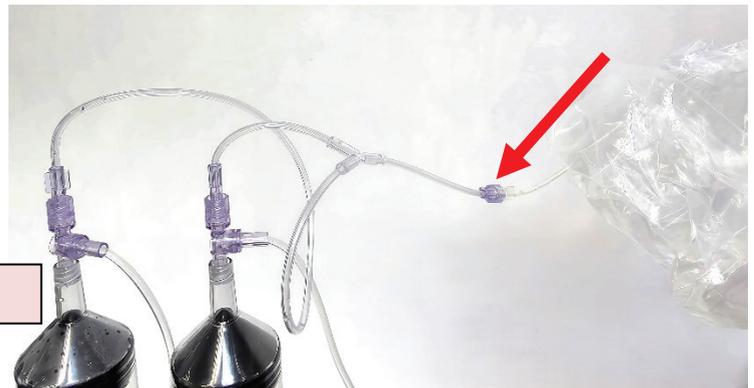


Figure E-1

F. FILL SYRINGE

Filling syringe manually:

- Using the Transfer Set IV spikes, connect the pharmaceutical bags
- Press and release *[Autofill]* button on injector. There will be one audible beep and syringe plunger will retract to draw fluid.
- Press *[Stop]* when desired amount of fluid is reached or pharmaceutical bag is empty
- Do not exceed intended fluid amount (200 ml maximum)

NOTE: If *[Autofill]* button is held for more than 2 seconds, there will be a second audible beep and syringe plunger will retract and draw a pre-determined fluid. The volume for the pre-determined amount of fluid can be found on the Monitor: {System}→{Parameter}→{Autofill Volume}.
See Operator's Manual.

G. INSTRUMENT/CAMERA SLEEVE

Per HurriChem IFU, affix the camera cover to the pump or syringe, completely covering the connection of the pump/syringe to the tubing (**Figure H-1**)

H. EXPEL AIR FROM SYRINGE

- With the injector arm still facing up, press and hold [*Expel Air*] on injector until the air is evacuated from the syringe. Release [*Expel Air*]. (**Figure H-1**)
- Repeat process for second syringe
- **Note:** Air can remain in Transfer Set and HurriChem tubing
- **Note:** Avoid sending any chemo into the patient during these steps
- **Note:** Pressing and releasing [*Expel Air*] for each syringe is required. System will not allow treatment until [*Expel Air*] button has been pressed for each syringe.
- Orient the injector arm to fully down position (**Figure H-2**)
- A chemo waste bin should be positioned beneath the syringes
- Treatment volume settings can be adjusted on the monitor to the desired treatment amount



I. START PROCEDURE

Note: Treatment volume settings cannot exceed the volumes displayed on the top of the monitor screen. (Figure I-2, red arrows)

- Before starting procedure, confirm the following:
 - Hospital's Procedure Checklist completed
 - The SurgiChem monitor is outside of Operating Room
 - Protocol settings on the monitor are correct
 - All personnel have exited the Operating Room
- To start procedure, press *{Ready}* (Figure I-1) followed by *{Inject}* on monitor (Figure I-2, blue arrow)

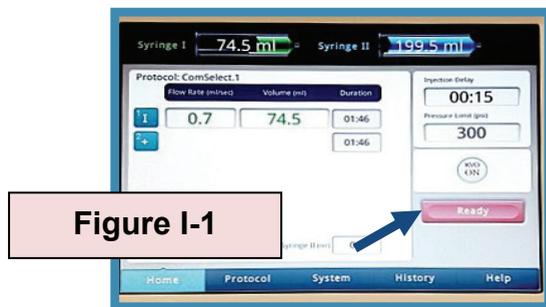


Figure I-1

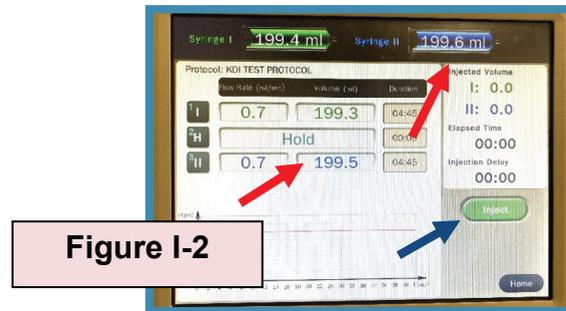


Figure I-2

J. DURING PROCEDURE

- Monitor the patient
- Monitor the video delivered by the laparoscopic camera
- Observe SurgiChem monitor
- Do not allow the maximum pressure to be exceeded
- If the pressure approaches maximum, press the *{Pause}* button on monitor (Figure J-1)
- Pressure reading (example) (Figure J-2)



Figure J-2

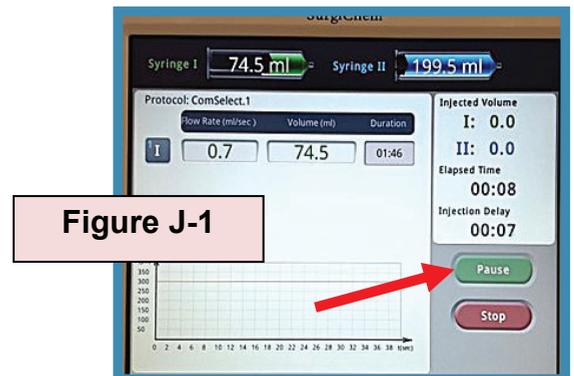


Figure J-1

K. CASE COMPLETION, DISPOSAL AND CLEANING

- Follow hospital protocol prior to re-entering the operating room
- Once the procedure is complete; the SurgiChem syringes, transfer sets, IV bags and HurriChem Device Kit (including camera sleeve) will remain connected
- The HurriChem device will be passed off the sterile field
- Remove the syringes by twisting 90° counterclockwise then pulling outwards
- Dispose of items in chemo waste bin according to hospital protocol
- Press the *{Autofill}* buttons on the injector to move the piston rods to the fully retracted position
- Power down monitor and injector
- Disconnect power cables
- Clean the SurgiChem according to the user manual and hospital guidelines