Servo-I Ventilator
Servo-I

• Can be used on all sized patients
• Does not require a flow sensor
• Has some additional features that we can use, such as NAVA (coming in fall/winter)
Front of Machine

Main Screen
- Basic settings

Rotor Dial
- Turn to adjust

Standby Button
- Places ventilator in standby
- Resumes ventilation

Knobs
- Instantly changes settings
- Used to adjust FiO2

Buttons
- Manual breath
- O2 breath

Basic Settings

Rotor Dial

Standby Button

Knobs

Manual Breath
O2 Breath
Exp Hold
Insp Hold
STANDBY Button

Places ventilator in Standby
-Black screen and Red writing

Also, will resume ventilation
4 Knobs, directly relate to the setting directly above it on screen - INSTANTLY changes settings

Farthest left is always FiO2 *When adjusting +/- 60%, it will automatically stop as a safety pause, continue turning knob to continue going above or below 60% O2
Start Breath
- "Manual Breath" it initiates an additional breath

O2 Breaths
- instantly changes fiO2 to 100%
- Does not allow you to set a 10-20% increase as the AVEA does via this button
Main Screen Button

Will always bring you back to this “Main Screen” from whatever previous screen that was displayed
**Alarm Silence/Reset**

- Will silence any alarms
- Clears screen of old alarms
ALARMS

• Alarm silence is for 2 minutes, can not turn off alarm silence once activated
• While silenced, any “new” alarms will still alarm
• Silence ALL alarms by pressing and holding for 2 seconds the “Alarm Profile Key” which is next to the flashing alarm message
• Alarm silence button is also used to “clear” old alarm messages
• High Priority – RED ALARM
• Low/Medium Priority- YELLOW ALARM
Top right corner of screen, alarm will flash, stating what the alarm is.
High Priority Alarms

• Apnea
• Check tubing- water in tubing, plugged tubing, excess leakage
• Paw High- patients Peak pressures are high
Medium/Low Priority Alarms

• CO2 sensor error
• Air supply pressure: high/low
• Respiratory Rate: high/low
• Leakage out of range- NIV circuit disconnect
• Leakage over range- pt spontaneously taking a breath faster than ventilator can give
Where do I find what Mode I am in??
-Top left corner
-*Pressing the mode section, this will bring you to your “current settings screen
## MODES

<table>
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<th>AVEA</th>
<th>SERVO-I</th>
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</thead>
<tbody>
<tr>
<td>SIMV PRVC</td>
<td>SIMV PRVC</td>
</tr>
<tr>
<td>Pressure SIMV + volume guarantee</td>
<td><em>SIMV PRVC</em>* this is mode that will be used</td>
</tr>
<tr>
<td>SIMV Pressure Control</td>
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<td>Pressure Control A/C</td>
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<td>CPAP/PS</td>
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<td>APRV</td>
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<tr>
<td>Nasal CPAP/IMV</td>
<td>**Nasal CPAP (just cpap)</td>
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<tr>
<td>Nasal CPAP/IMV</td>
<td>**NIV PS (cpap plus PS)</td>
</tr>
<tr>
<td>Nasal CPAP/IMV</td>
<td>**NIV PC (CPAP plus rate pressure (as used in RAM cannula patients)</td>
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</tbody>
</table>
How To Read My Settings

What my ventilator settings are set at, this is what gets charted
Let's go back to the Main Screen
What is My Patient Doing?

- All the values on the right side of the screen are values of what the patient is actually doing.

- Patients actual pressures, total respiratory rate, minute ventilation, inspiratory and expiratory tidal volumes.

- If you need to chart what the patient is actually doing vs. what is set, these are your parameters.
Bottom of the Main Screen

- Displays the 4 most common “want to know” settings.
- Always shows FiO2 and PEEP
- Depending on your mode, it will also show Set RR, Pressure settings, Tidal Volume, etc...
Where is my Fio2 again? PEEP?
Where do I find my Respiratory Rate?

- **Set RR**
- **Pts actual RR**
Tidal volume readout?

-Vti (inspiratory tidal volume) and Vte (expiratory tidal volume) can be utilized to assess for leakage

*-remember, Vti is of “current breath, while Vte is of the “previous breath”
Where do I see what my Peak Pressures are?
What if I want to see additional values?

Press the “Additional Values” icon. There are 3 pages of information:
- lung compliance
- airway resistance
- end expiratory flow
- etc....
Are there waveforms?
Of course, the same traditional waveforms are present and visible.
You can even look at waveforms and loops on the same screen.
Simple?

• Right now, the Servo is being used the same way as the AVEA
• We just need to get used to the new nomenclature, buttons, sounds, etc....
• NAVA- coming soon........(Fall/Winter)
Still need help?

- You will still always call your RT for any needs
- View servo-I learning video
- Attend an in-person servo-I training session (see your educator)