

# Ultrasound Preventative Maintenance

## *Preventive Maintenance*

- After every use, clean the probe and cable with a damp cloth to ensure that it is free of gel.
- Replace the internal battery to protect internal memory if necessary
  - when replacing
- read the manual to tell you what to do
- Clean the controls by wiping them with a damp cloth or tissue after every working day.
- Change the dust filter every 3 to 6 months.
- Ultrasound Proper Usage
  - Ensure proper mains voltage range.
  - When changing the dust filter, if the original filter paper cannot be found, a piece of double gauze may be used.
  - Ensure there is no air between the probe and the patient by having enough ultrasonic gel to ensure a quality image.
  - Do not soak the cable with gel.
  - Do not turn off and on the machine quickly. Leave two minutes between each to retain internal memory of the device. Also, leave the machine running for at least 15 minutes every time.
    - To adjust the greyscale during a session, use dynamic controls on the machine not those controls on the monitor. Otherwise use the grey wedge on the monitor.
    - The ultrasound may freeze if the information is typed in too quickly. If the machine freezes, turn the machine off and wait two minutes before restarting.
    - Do not spill liquids on the machine.
    - Do not hang anything for the controls of the machine.
- 10.If the mains voltage varies more than the tolerance of the machine specified by the manufacturer (usually around + 10%), a voltage stabilizer is required.
- 11.Ventilation holes of the ultrasound must not be covered by papers, forms, or tissue
- 12.When troubleshooting the electronics of the device, start replacing fuses if necessary and checking the highly stressed circuit that powers the pulse generator.