Processing of Medical Products in Malaysia
Population Of Malaysia

- 26 million
- Temperature 25° c to 38° c
- Humidity 30% to 80%
Number of Hospitals

• Public 135
tertiary
transplant
general surgery
vascular
orthopedic

• Private 232
certain class of people
panel Doctors
History of sterilization in Malaysia

• 1950’s  boiling method
• 1960’s  washing and packing at respective unit
• 1970’s  centralize reprocessing of medical devices
History of Sterilization

- New and update washer disinfector
- Standard work area
- Computerized system
- From the unknown to known
Policy and Procedures

• Collection of reusable items
  ➤ Porter
  ➤ Counter

• Decontamination
  ➤ Cleaning
  ➤ Mechanical
  ➤ Manual
  ➤ Rinse at user units
Policy and Procedures

Packaging
- Non Woven Material
- Sterilization bags
- Reels and pouches
- Rigid container
- Linen - minimal
Sterilization

- Majority of products sterilize by steam
  - Low temperature limited to heat labile items only
    - Ethylene oxide
    - Formalin
    - Plasma hydrogen peroxide
    - Liquid
Policy and procedures

Storage

- CSSU: dedicated area
- Wards and theatres shelves or cabinet
Distribution

• Dedicated trolley or counter service
• Reuse of single use device
  ➢ develop guidelines
  ➢ still practice
  ➢ dependent on individual hospital
  ➢ looks good but.....
Policy and procedures

• Soft packs
  ➔ in house
  ➔ commercially produced
  ➔ standardize
• Linen
  ➔ supply by concession company
  ➔ drapes
  ➔ surgical gown
  ➔ towels etc.
  ➔ single use drapes
• Manpower
  ➤ In-service Training
  orientation for new staff
  log book for competency
  ➤ Invite consultant from overseas
  • Conference
  • Seminars
  • Workshops
  • Hands on
Formation of MSSA

• Year 1996
• Started with only 38 members
• Currently over 1000 members

Nurses public and private
Doctors
Microbiologist
Members overseas
MSSA - contributions

• We have developed:
  ➖ Standard operating procedures
  ➖ Work instructions
  ➖ Malaysian standard of sterilization process
  ➖ Sterilization process handbook
  ➖ Guidelines for in house
MSSA - contributions
MSSA - contributions

Yearly AGM Conference and Exhibition

• This event has been going on for 12 years disseminate knowledge to CSSU practitioners
• Attended by sterilization practitioners from various countries

Australia, New Zealand, Singapore, Vietnam, Hong Kong and etc
<table>
<thead>
<tr>
<th>Region</th>
<th>Benchmark</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>Advance American Medical Instrumentation</td>
</tr>
<tr>
<td>Australia</td>
<td>Australian Standard AS 1487</td>
</tr>
<tr>
<td>Europe / UK</td>
<td>Health Technical Memorandum UK</td>
</tr>
<tr>
<td>Malaysia</td>
<td>Malaysian Standard of Sterilization Process year 2005</td>
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</tbody>
</table>
Thank You

Malaysian Sterile Service Association (MSSA)

Sincerely invite the WFHSS to have the congress in our warm, friendly and beautiful Country, MALAYSIAS

Thank You