Comments on sterilization.

Wim Renders
Using Steam integrator in peel pouches, is it compulsory?

From: Abukar Barqadle (Saudi Arabia)  Date: 4 September 2007, 13:24 [GMT]
Subject: Using Steam integrator in peel pouches, is it compulsory?

Dear all

I am using Peel pouches for my Supplementary instrument.
As usually peel pouches has Steam indicator that indicates if item went through steam or not.

I am new CSSD Supervisor in Hospital in Riyadh Saudi-Arabia and the previous Supervisor was using Steam integrator in the peel pack.

For cost effectively I would like to stop using that?
Your advice will be helping me to make right Decision.
Can anyone provide me with information on the rankings of steam, Sterrad, ETO and Ozone sterilization. My hospital purchased an Ozone sterilizer last year, and it has never been installed or used. I am not familiar with this type of Sterilization method, and don't know if it will meet our needs, or what it can efficaciously sterilize. I don't know of anyone in this country who uses one. Help, please.

Carol
“Knowledge is the best medical device”
(Jan Hoborn)
Gevalideerd
Amersfoort
Tel: 033 450 88 00

Door: M. El Kasah
Datum: 03-05-06

Rapport nummer: 793092R02
The road to the goal is the goal itself!
You may never:

- deviate from routine practice without proof that the new technique is an improvement,
- think that the grass is greener on the other side.
### VSZ enquête CSA

<table>
<thead>
<tr>
<th>Opleiding</th>
<th>intern</th>
<th>Intern gem aantal uren</th>
<th>VSZ basis</th>
<th>VSZ verdieping</th>
<th>Andere</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hoofd CSA</td>
<td>18,6%</td>
<td>15,75 uur</td>
<td>27,9%</td>
<td>25,60%</td>
<td>34,9%</td>
</tr>
<tr>
<td>Teamchef</td>
<td>9,3%</td>
<td>10 uur</td>
<td>10,84%</td>
<td>6,44%</td>
<td>9,30%</td>
</tr>
</tbody>
</table>

- Hoofd CSA
  - Ongeveer 60% heeft een opleiding gevolgd
  - Slecht een beperkt aantal volgt een jaarlijkse interne opleiding gedurende een zeer beperkt aantal uren
    - 4 ⇔ 30 uur
- Teamchefs
  - Slechts een beperkt aantal heeft een externe opleiding gevolgd
  - Interne opleiding is een uitzondering in aantal uren
    - 4 ⇔ 24 uur

### VSZ enquête CSA

<table>
<thead>
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<th>VSZ verdieping</th>
<th>Andere</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medewerkers</td>
<td>27,9%</td>
<td>10,8 uur</td>
<td>33,3%</td>
<td>0,35%</td>
<td>1,26%</td>
</tr>
<tr>
<td>Logistiek ass.</td>
<td>16%</td>
<td>9 uur</td>
<td>20%</td>
<td></td>
<td>2,33%</td>
</tr>
</tbody>
</table>

- Medewerkers
  - Ongeveer 60% heeft een opleiding gevolgd
  - Slecht in 2 van de CSA's wordt een jaarlijkse interne opleiding voor medewerkers gedurende een zeer beperkt aantal uren gereserveerd
    - 2 ⇔ 25 uur
  - 2 op 3 CSA medewerkers heeft geen basiscursus gevolgd
  - 9,5% heeft een verdiepingscursus gevolgd
- Logistiek assistenten
  - 20% heeft een basiscursus gevolgd
  - In de CSA met logistiek assistenten wordt in slechts 16% een interne opleiding volgt.
### VSZ enquête CSA

<table>
<thead>
<tr>
<th>Leeftijd sterilisatoren</th>
<th>Gemiddeld</th>
<th>Maximum</th>
<th>Opmerking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stoom</td>
<td>7</td>
<td>20</td>
<td>50% ouder dan 10 jaar</td>
</tr>
<tr>
<td>ETO</td>
<td>11,3</td>
<td>20</td>
<td>80% ouder dan 10 jaar</td>
</tr>
<tr>
<td>Steris</td>
<td>2,6</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Sterrad</td>
<td>4,3</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

### Was- en desinfectie

<table>
<thead>
<tr>
<th>Wasmachines</th>
<th>100,00%</th>
<th>Gemiddeld 7 jaar</th>
<th>32% ouder dan 10 jaar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ultrasone</td>
<td>72,09%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wastunnel</td>
<td>16,28%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Droogkast</td>
<td>13,95%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Droogtunnel</td>
<td>2,33%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Evolutie ingrepen operatiekwartier - AZ Sint-Jan an AV
Keep it simple!

Jane D. Siegel, MD; Emily Rhinehart, RN MPH CIC; Marguerite Jackson, PhD; Linda Chiarello, RN MS; the Healthcare Infection Control Practices Advisory Committee

Acknowledgement: The authors and HICPAC gratefully acknowledge Dr. Larry Strausbaugh for his many contributions and valued guidance in the preparation of this guideline.

Thyroiedectomy:
• Farabeuf: 2 cfu
• Needle holder: 6 cfu

Thrombectomy:
• Suction tube: 14 cfu
• Wound spreader: 3 cfu
• Forceps: 40 cfu
Rinsing

Ultrasonic unit
STERILITEITSTESTEN OP ULTRASONE BADEN
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Ultrason bath is:

- emptied in the evening and dried out.
- The sides and the lid are sprayed with alcohol 70°, and some alcohol is poured down the drain.
RKI recommendations:

- Detergents pH > 10
- Disinfection 5 min 90°C
- Sterilisation: 5’ 134°C
Disinfection parameters:
• $A_0 = 600 \text{ sec} \ (80^\circ\text{C}, \ Z = 10^\circ\text{C})$: uncritical
• $A_0 = 3000 \text{ sec}$: semi-critical & critical
Suction tubes are:

• first rinsed with cold water and
• than treated with hydrogen peroxide 3 %,
• next: normal procedure.
They must be joking! In my case, they can't make me wear a hair-cover?!
Avoiding the hand to face reflex the hard way.
<table>
<thead>
<tr>
<th>Procedure</th>
<th>Before</th>
<th>After</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thyroidectomy:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Farabeuf:</td>
<td>2 cfu</td>
<td>10 cfu</td>
</tr>
<tr>
<td>Needle holder:</td>
<td>6 cfu</td>
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<tr>
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<td>3 cfu</td>
<td>6 cfu</td>
</tr>
<tr>
<td>Pincet:</td>
<td>40 cfu</td>
<td>7 cfu</td>
</tr>
</tbody>
</table>
European Expert Condemns the Re-use of Sterilization Packaging

Tim Galekop, who is employed by Ahlstrom FiberComposites as a Director of Global Business Development, Medical Fabrics responsible for Europe, Global Technical Support and Regulatory affairs recently visited South Africa to present a paper at the SATS Congress in Cape Town. He also did a series of joint presentations with René Vis on sterilization matters at the major centres in South Africa. Rene is the Sterilization Quality manager for Sterile Medical Devices at the VU University Medical Centre in Amsterdam, the Netherlands and his visit was sponsored by Ahlstrom FiberComposites and Safmed. SterView interviewed Tim while he was in South Africa and asked him the following questions:

SV
You have been a member of the Dutch Norm Standards Group from the day of its foundation and serve as an expert to the EN Standards Committees for Packaging Materials, Drapes and Gowns. Why are you so involved with standards and why are they important to hospitals?

TIM
Individual technical experts are appointed by the CEN parent body or by National members, to serve in a personal capacity. The Working groups may also include experts from organizations, which have only observer status in the parent body.

To answer the second part of your question, it really started years ago. The Netherlands was the first country to publish a law regulating medical devices in 1983. This occurred, of course, after something terrible happened, and was certainly a case of "looking the stable door after the horse had bolted". The Dutch National Institute of Public Health and Environment (RIVM) started work on the Dutch norms for sterilization in 1980's. The Dutch Guidelines "Richtlijnen Steriliseren Steriliteit" were established as a result of the devotion of Jack van Asten, who worked for the RIVM for 17 years. Jack sadly passed away suddenly on February 24, 2002. At the same time, a group of experts wanted to improve the quality and image of the sterilization departments in the Netherlands and the British and the Germans had published some standards dealing with packaging materials.

The reason why I got involved was mainly due to the fact that the management of the company I was working for in the Netherlands at that time: saw the importance of having standards. The first department they will investigate, if there is an infection problem in the operating room is the CSSD "the heart of the hospital" if there is an infection problem in the operating room. A regular question that I am asked during my travels is: "Where is the published information and how can I convince to my management that we have to follow correct procedures?" The hospital has something to work with, if they can refer to standards. Let us not forget that standards are written for patient and staff safety.

Today, I am the last and only person left from the day of foundation of the Dutch Norm group, in other words "the last of the Mohicans."

SV
Why do you think that linen should not be used as a sterile barrier material in hospitals?
Bowie Dick test
How to test for steam penetration?

1. Capsule
2. Gasket
3. Indicator
4. Connector
5. Open end
6. Tube
DPCD
...OK Jo, your tracking programm found that missing instrument... all you have to do is to get it back!
CSSD response to cost pressure

"We decided to replace your Basic Instrument Set with a Swiss-Army-Knife, packed in a peel-pouch. Any Questions?"
THANK YOU
COMBINED MEETING

INTERNATIONAL CONGRESS FOR HOSPITAL STERILE SUPPLY

Monza, Milano - Italy: June, 5th - 7th, 2008

Chairman - Flavia Rossi

More Information about the Congress on
www.aiosterile.org
www.csrecongressi.com
„and just what do you think qualifies you to become a Technician in our Sterile Supply Department?“