

NPUAP
05 June 2004
Tampa, Florida

Group Discussion

Terms and Definitions

Pressure Redistribution

Pressure Relief: Heel Suspended in Air

Pressure Reduction

Phone conferences to update TIG, First one is scheduled for 20 July 2004, Pittsburgh will sponsor by emailing out the phone number and access code.

TIG Break out meeting

Document numbering,

TIG Next Steps from 10-08- TIG027

Measurement of Humidity Transmission Rate in Wheelchair back TIG027

BS Standard on Alternating Pressure TIG028

Accelerated Aging, Tig 029 (e-mail to Dave M.)

Discussion on the tool out come of the mattress testing.

Janet wants a tool to stand at the bedside to determine that the mattress is still effective for the next patient.

Significant discussion as to what is the normal life of a mattress and what would become the base line for testing a mattress to full life.

It was suggested that a draft validation of accelerated aging and validation of the testing be assigned. Give to Life Span Group. Discuss this with the Life Span group in the combined meeting at 1:30.

It was also suggested that a survey of hospital practices in mattress replacement be undertaken. Discuss this with the Life Span group in the combined meeting at 1:30.

Evan to circulate the heat and humidity measurement protocol in standards format. To be completed for the 20 July Meeting.

Evan to submit proposal for construction of jointed whole body indenters, 5th, 50th and 95 percentile.

Indenters,

Rick describes problems with pressure mapping

Dave, Steve, Evan exchange notes on sensors and Evan agrees to send some sensors to Dave for evaluation. Both format sensors.

The need for a sensor in indenter system is agreed upon.

Dave B. proposes a work item to survey sensors available in the industry. Dave accepted this work item.

Lunch Break

Evan Presented simulated use testing and FEMA as a driving document for testing.

Discussion followed re: test method and potential validation steps that could be used to apply to this test. Eric raised possibility of measuring various effects independently by pulling samples from tests at various temperatures.

Issues were raised by Stephen and Dave for the threshold of testing and if the use of a fecal coliform test was unreasonable for normal use testing because it may represent an un safe practice.

Jan argued that contamination is not unreasonable based on hospital practice of clean up after incontinence episodes.

Reports

LEG

Look at test that deals with mattress dimensions. For example, load or overload deflection.

Does internal pressure change after simulated use.

Mattress Rotation. Side-to-Side Rotation

Question was asked: When is a mattress discarded as worn out.

Discussion of overlap between groups, tests seem overlapping.

Clarification was based on Leg test will deal with life of components, where TIG deals with the performance of the device as a whole.

Further discussion on FEMA and Accelerated aging. Scott H. sees the need for accelerated aging, but wants to study the problem further to move from destructive testing to bed side function.

Marcy asked for life expectancy labeling, Abby indicated that many manufacturers as ISO certified have life expectancy labeling requirement.

Rick stated that reasonable life of a mattress is 3-7 years. Discussions about life and how to determine it ensued. This may be the basis for the amount of accelerated aging that is required, But gets into Manufacturer warrantee and is beyond us.

Terms and Definitions Group Report

Terms Resolved

Pressure Relief,

Pressure Reduction

Pressure Redistribution

Alternating Pressure: was reconsidered "Feature of an active support surface that provides redistribution of forces on a support surface with the cyclic inflation of some sub set of the surface.

Dave B indicated that this excludes mechanical and other systems for inflation or surface modification, discussion ensued, with issues related to exclusion of future technology.

Lateral Rotation.

Selection of next meeting:

Options: MedTrade in Orlando, or Clinical Symposium.

Final decision will depend on rooms available. Symposium was selected.