

The Visual Environment in an Operating Theatre at a Hospital

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Published in: Arbete och hälsa

2011

Link to publication

Citation for published version (APA):

Hemphälä, H., Johansson, G., Odenrick, P., Åkerman, K., & Larsson, P. A. (2011). The Visual Environment in an Operating Theatre at a Hospital. Arbete och hälsa, 45(5), 36-36.

Total number of authors:

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36) The visual environment in an Operating Theatre at a Hospital.

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The requirements for the visual environment in an operating theatre are high. The purpose evaluate and improve the visual environment in operating theatres.

The evaluation of the visual environment showed that 30 percent of the surgeons had eyes eyestrain had three times as much musculoskeletal strain than those without eyestrain. Thilluminance and luminance show a low uniformity level on the operating table. The opera average of 100.000 lux, while the surrounding areas' illuminance were much lower, that a operating cavities larger than the operating lamps light beam. The luminance contrast wit 140:1. Unfortunately, there are no international, nor Swedish, lighting recommendations is

An improvement of the visual environment in the operating theatre may enhance the surging reduce strain with positive effects on patient safety. The luminance contrast within the vis optimize. The next part of the study will be performed in the beginning of 2012, and will the visual environment in the operating theatre should be designed and formulate lighting the operating area.

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NR 2011;45(5)

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arbete och hälsa isbn 978-91-85971-32-9 vetenskaplig skriftserie issn 0346-7821