

D60

Endoscope impact on repairs
by transport



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Endoscope transportation in hospitals is important but often forgotten. Herke-Jan Noordmans from UMC Utrecht explains the impact of transportation on the durability and safety of flexible endoscopes.

G-Force Impact:

Noordmans' team measured the forces on endoscopes during transport, finding significant shocks on trips from the operating room to the central sterilization services department (CSSD). The use of additional carts and a cart tugger driving at 25 km/h, to move the endoscopes for longer trips, contributed to even stronger shocks, surpassing those in regular transports.

"We noticed significant G-forces, particularly as metal trays clashed against each other"

Innovative Solutions:

To resolve this costly issue, hospitals are starting to disinfect endoscopes in the departments, reducing the need to transport endoscopes. This leads to a **reduction in repair costs** as the equipment last longer. Supporting data from hospitals equipped with the UV Smart D60 disinfection system further strengthen these findings, supporting the **financial and operational benefits** of disinfecting endoscopes in the department.

Future Plans

By reevaluating how we transport sensitive instruments within our hospitals, we can significantly reduce repair costs, increase the life of equipment, and most importantly, enhance patient safety.

