









Enabling scale-up implementation of Patients Safety Checklist (PASC) in Surgery:

-Investigating implementation mechanisms from patients' and healthcare workers' perspectives

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Patient safety in surgery



Surgery as leading cause of in-hospital related patient injuries and adverse events^{1,2}

The complexity in surgery is acknowledged³:

- Variety of surgical disciplines and range of surgical procedures and –pathways
- Involvement of multiple uni- and disciplinary teams
- Requirement of professional skills; technical and non-technical
- Patient specific factors
- Systemic and organisational factors
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- 2. <u>Pasientskader i Norge 2022 Målt med Global Trigger Tool Helsedirektoratet</u>
- 3. The WHO. WHO Guidelines for Safe Surgery: Safe surgery saves lives; 2009. ISBN 978 92 4 159855 2.

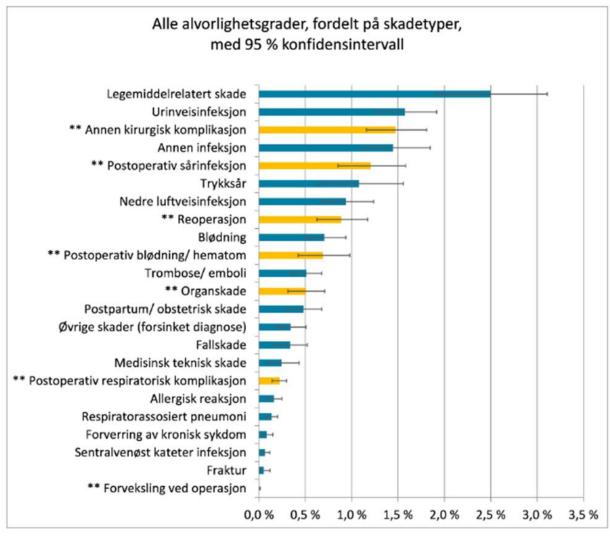


Figure 1: Proportion of Norwegian hospital stays in 2022, with ≥1 patient injury, across all Injury Types and Categories of Harm Severity .

Anderson O, Davis R, Hanna GB, et al. Surgical adverse events: a systematic review. Am J Surg 2013;206(2):253-62. doi: 10.1016/j.amjsurg.2012.11.009 [published Online First: 2013/05/07]











Patient's surgical pathway

Referral/ assessment

Preparation/ Hospitalisation

Surgery

Post surgical care

Discharge



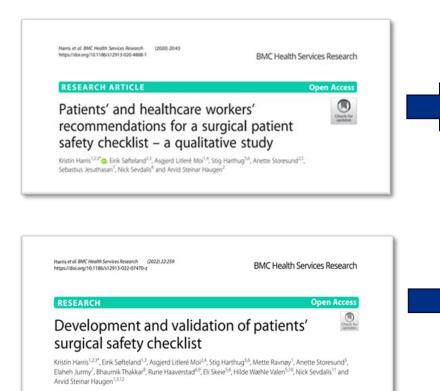


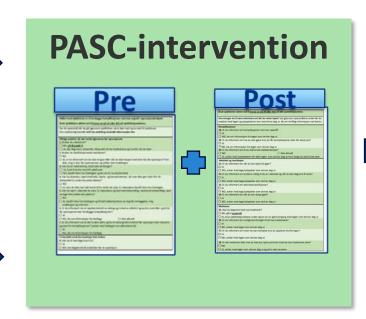


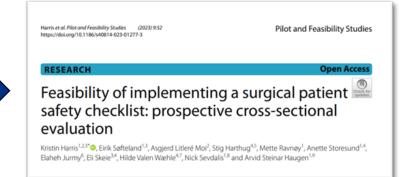




Development of intervention: Patient's surgical safety checklist-PASC

















Patient's surgical pathway

Referral/ assessment

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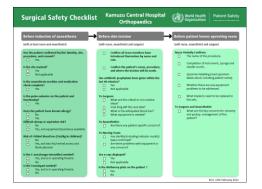
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Haukeland universitetssjukehus





Multicentre stepped wedge, cluster RCT

Clinical Trial.gov ID: NCT03105713

Funded by The Research Council of Norway ID: 320475).

Aim:

To identify PASC's implementation drivers and barriers from patients' and healthcare workers' perspectives.

Data collection:

Pre-intervention activities:

- Transforming PASC (paper) into a digital version: ePASC => reports in patients EHR
- Information meetings with leaders and key- healthcare workers from the seven surgical specialities
- Mapping of roles and responsibilities along the different surgical pathways

Per-intervention activities:

- Nine focus-group interviews with healthcare workers (N= 25)
- 44 Individual in-depth interviews with patients across all seven specialities

Post-intervention analyses:

- Performance data (adherence) on ePASC utilization
- Interviews (patients and HCWs)



2 surgical specialities



Haukeland University Hospital

• 5 surgical specialities





Preliminary results:

Identified mechanisms at:

Patient level:

- Clear justification of ePASC utilisation; a possibility, NOT a requirement
- Timing of receiving ePASC: in due time of surgery!
- Expexctations of ePASC reports being assessed and read
- HCW must be a driving force;
 - promote use of ePASC,
 - initiate communication on ePASC items at specific times before hospital admition and -discharge

HCW level:

- Adaptability of ePASC-items to local workflow
- Multidisciplinary approach and collaboration
- Capacity building at organisational level
- Monitoring use of ePASC in combination with indicators of performance and quality of care.





Patient safety in surgery

Individual level:

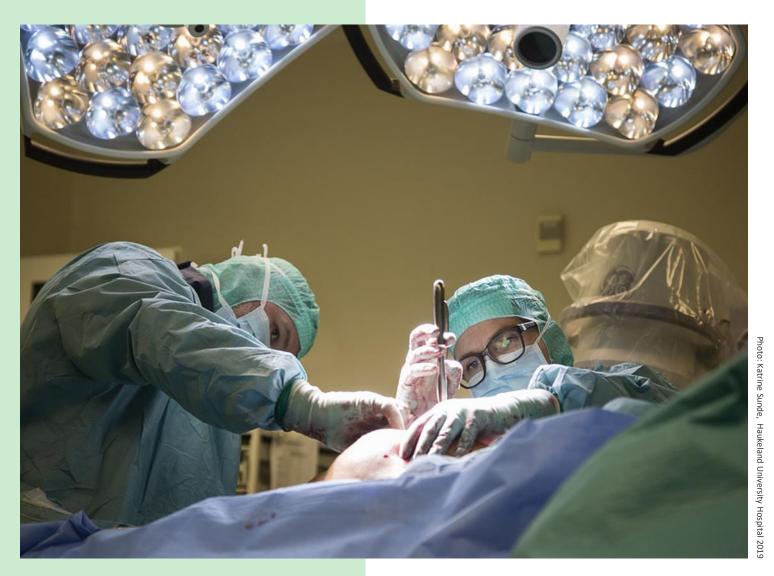
• Empowered patients who proactively engage in their own surgical care.

Collaborative level:

 Interactive information exchange between patient and care-provider.

System level:

 Double-loop learning in relation to patient safety information, health literacy and risk assessment.







PASC-Research Group



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Kristin Harris ICU nurse and associate professor



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- University of Bergen
- Norwegian Institute of Public Health,
- General Practitioner at Helsetorget DA, Bergen
- OsloMet,
- King's College, London,
- University of Oxford, Oxford

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