

Dokumentasjon av litteratursøk for fagprosedyrer

Søk skal dokumenteres på en slik måte at de kan reproduseres nøyaktig slik de ble gjennomført. Dato for søk skal alltid oppgis. Antall treff oppgis der det er relevant.

Prosedyrens tittel	Medisinsk simulering Oppdatering av litteratursøk for de 5 siste år (2017 – 2022)
Spørsmål fra PICO-skjema	Planlegging og gjennomføring <ul style="list-style-type: none">• Hvilke forberedelser er viktige før en simulering?• Hvilke faktorer er viktige for å gjøre en simulering virkelighetsnær?• Hvilke faktorer øker kvaliteten på gjennomføring av simulering? Pedagogikk <ul style="list-style-type: none">• Hva er gode pedagogiske prinsipper for simulering? Evaluering <ul style="list-style-type: none">• Har simulering som metode effekt?<ul style="list-style-type: none">○ Hvilke faktorer øker effekten av simulering?○ Har simulering som metode effekt på implementering?○ Har simulering som metode effekt på kompetanseheving og økt pasientsikkerhet?
Kontakt detaljer prosedyremakere	Navn: Åse Helen Myklebust Leopolder E-post: uxaamy@ous-hf.no Tlf: 926 29 844
Bibliotekar som utførte eller veiledet søket	Navn: Toril M. Hestnes Arbeidssted: Bibliotek for medisin og realfag, Ullevål sykehus E-post: t.m.hestnes@ub.uio.no Tlf: 944 99 677

Obligatoriske kilder er merket (obligatorisk). Slett gjerne bokser for kilder det ikke er søkt i, og legg eventuelt til nye bokser for kilder som er søkt i tillegg. Nederst i skjemaet er en tom boks som kan kopieres og limes inn andre steder.

Retningslinjer og kliniske oppslagsverk

Database/kilde	Fagprosedyrer som er godkjent i de enkelte helseforetak på fagprosedyrer.no (obligatorisk)
Dato for søk	02.05.2022
Søkehistorie eller fremgangsmåte	Sett gjennom emner Administrativt, Teknikk/praktisk utførelse, Akuttmedisin, Pasientsikkerhet Søkt på simulering, simuleringstrening, simulator
Antall treff	Medisinsk simulering - ivaretagelse av deltagere som gjør alvorlig feil under medisinsk simulering Oslo universitetssykehus, 2021 Medisinsk simulering Oslo universitetssykehus, 2018 Forverret tilstand for pasient på sengepost - etablering og drift av et system for tidlig

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	oppdagelse og systematisk oppfølging Helse Stavanger, 2015 (utgått)
Kommentarer	

Database/kilde	Nasjonale faglige retningslinjer, veiledere, prioriteringsveiledere og pakkeforløp fra Helsedirektoratet (obligatorisk)
Dato for søk	03.05.2022
Søkehistorie eller fremgangsmåte	Simulering, simuleringstrening, simulator
Antall treff	<p>Ingen relevante treff</p> <p>Evt. andre dokumenter som nevner simulering:</p> <p>Tidlig oppdagelse og rask respons ved forverret somatisk tilstand. Nasjonale faglige råd, Helsedirektoratet 2020</p> <ul style="list-style-type: none"> ➤ Ansatte bør jevnlig gjennomføre ferdighetstrening og simulering av ulike risikosituasjoner ved forverret somatisk tilstand <p>Kompetansevurdering av leger i spesialisering. Nasjonal veileder, Helsedirektoratet 2019</p> <ul style="list-style-type: none"> ➤ Ved noen læringsmål kan spesifikke ferdigheter vurderes i form av en simuleringsoppgave <p>Sammen redder vi liv – Strategidokument, 2018</p> <ul style="list-style-type: none"> ➤ Anbefalinger fra delprosjekt 113 <p>Nyfødtintensivavdelinger – kompetanse og kvalitet, Nasjonal faglig retningslinje, 2017</p> <ul style="list-style-type: none"> ➤ 3. Bemanning og kompetanse ved avdelinger for syke nyfødte <p>Akuttmottak – risikosone for pasientsikkerhet Læringsnotat, Kunnskapscenteret 2015</p> <p>Uønskede hendelser knyttet til medisinsk-teknisk utstyr Læringsnotat, Kunnskapscenteret 2013</p> <p>Simulering som opplæringsmetode i spesialistutdanning av leger - evaluering av effekt Kunnskapsoppsummering, Nasjonalt kunnskapscenter for helsetjenesten 2009</p>
Kommentarer	

Database/kilde	UpToDate (obligatorisk)
Dato for søk	03.05.2022
Søkehistorie eller fremgangsmåte	simulation, simulator, manikin, mannequin, anatomic model, crew resource management, crm
Antall treff:	<p>Safety in the operating room</p> <ul style="list-style-type: none"> ➤ Simulation training <p>Patient handoffs</p> <p>Prevention of perioperative medication errors</p> <p>Reducing adverse obstetric outcomes through safety sciences</p> <ul style="list-style-type: none"> ➤ Simulation and drills <p>Preparing an office practice for pediatric emergencies</p> <ul style="list-style-type: none"> ➤ Mock resuscitation <p>Rapid response systems</p>

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	Prevention of perioperative medication errors Devices for difficult endotracheal intubation in children Basic airway management in children Pediatric basic life support (BLS) for health care providers Emergency rescue devices for difficult pediatric airway management Robot-assisted laparoscopy Cognitive aids for perioperative emergencies Emergency airway management in children: Unique pediatric considerations COVID-19: Respiratory care of the nonintubated hypoxemic adult (supplemental oxygen, noninvasive ventilation, and intubation) Magnetic endoscopic imaging Flexible bronchoscopy in adults: Overview Overview of postpartum hemorrhage <ul style="list-style-type: none"> ➤ Training and simulation Overview of complications of central venous catheters and their prevention in adults Extraglottic devices for emergency airway management in adults
Patient Education	https://www.uptodate.com/contents/society-guideline-links-patient-safety-in-the-operating-room
Kommentarer	Fra 01.05.2020 må du registrere deg for å få tilgang til UpToDate. Les mer her: https://www.helsebiblioteket.no/helsebiblioteket/aktuelt/tilgang-til-uptodate-fra-1.april-2020

Database/kilde	BMJ Best Practice (obligatorisk)
Dato for søk	20.06.22
Søkehistorie eller fremgangsmåte	simulation, simulator, manikin, mannequin, anatomic model
Patient leaflets	
Kommentarer	Ingen relevante

Database/kilde	Nursing Reference Center (Evidence Based Care Sheets, Skills og Patient Handouts)
Dato for søk	20.06.22
Søkehistorie eller fremgangsmåte	TI simulat* OR SU simulat* OR AB simulat* TX simulat* TI (manikin* OR mannequin*) OR SU (manikin* OR mannequin*) OR AB (manikin* OR mannequin*) Publication date: 2017 - 2022
Antall treff	Evidence-Based Care Sheet (30 relevante) Technology: Using to Improve Patient Care By: Kornusky J, Mennella H, Hanson D, CINAHL Nursing Guide, September 17, 2021 https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T903265&site=nup-live&scope=site Recruitment and Retention of Healthcare Personnel: Nursing Residency By: Woten M, Smith N,

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<p>Hanson D, CINAHL Nursing Guide, September 10, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T903287&site=nup-live&scope=site</p> <p>Recruitment and Retention of Healthcare Personnel: Nursing Staff Development and Employee Orientation By: Holle MN, Smith N, Hanson D, CINAHL Nursing Guide, August 27, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T903261&site=nup-live&scope=site</p> <p>Novice to Expert: Achieving Success By: Schub T, Heering H, Hanson D, CINAHL Nursing Guide, July 9, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T903042&site=nup-live&scope=site</p> <p>Benchmarking and Best Practices By: Mennella H, Hanson D, CINAHL Nursing Guide, August 27, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T903202&site=nup-live&scope=site</p> <p>Retention of Healthcare Personnel: Factors that Affect By: Ashley TJ, Smith N, Hanson D, CINAHL Nursing Guide, July 9, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T902893&site=nup-live&scope=site</p> <p>Retention of Nurses: Strategies By: Ashley TJ, Smith N, Hanson D, CINAHL Nursing Guide, July 9, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T901530&site=nup-live&scope=site</p> <p>Shoulder Dystocia: Staff Education By: Beddoe AE, Balderrama D, Hanson D, CINAHL Nursing Guide, July 9, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T704468&site=nup-live&scope=site</p> <p>Learning Styles: Domains of Learning By: Woten M, Smith N, Hanson D, CINAHL Nursing Guide, July 2, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T708377&site=nup-live&scope=site</p> <p>Collaboration: Nursing Academia and Clinical Nursing Practice By: Woten M, Hanson D, CINAHL Nursing Guide, September 24, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T902483&site=nup-live&scope=site</p> <p>Collaboration, Interprofessional: Nurse-Physician Relations By: Woten M, Hanson D, CINAHL Nursing Guide, September 24, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T902469&site=nup-live&scope=site</p> <p>Collaboration, Intraprofessional: Nursing Staff By: Woten M, Hanson D, CINAHL Nursing Guide, June 25, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T902477&site=nup-live&scope=site</p> <p>Delegation of Authority: Delegating Tasks to Assistive Healthcare Personnel By: Ashley TJ, Smith N, Hanson D, CINAHL Nursing Guide, October 1, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T707423&site=nup-live&scope=site</p>

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<p>live&scope=site</p> <p>Critical Thinking: Enhancing Critical Thinking Skills By: Schub E, Hanson D, CINAHL Nursing Guide, October 1, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T707845&site=nup-live&scope=site</p> <p>Critical Thinking: Evaluation of Critical Thinking Skills By: Schub E, Woten M, Hanson D, CINAHL Nursing Guide, October 1, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T707847&site=nup-live&scope=site</p> <p>Critical Thinking: an Overview By: Heering H, Karakashian AL, Hanson D, CINAHL Nursing Guide, September 24, 2021</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T707800&site=nup-live&scope=site</p> <p>Medication Errors: Double-Checking By: Schub T, Holle MN, Pravikoff D, CINAHL Nursing Guide, May 8, 2020</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T904370&site=nup-live&scope=site</p> <p>Clinical Competence Development By: Schub T, Heering H, Pravikoff D, CINAHL Nursing Guide, May 11, 2018</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T903070&site=nup-live&scope=site</p> <p>Medication Errors in Chemotherapy By: Schub T, Cabrera G, Pravikoff D, CINAHL Nursing Guide, August 24, 2018</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T904368&site=nup-live&scope=site</p> <p>Medication Errors: Using Smart Pumps By: Schub T, Cabrera G, Pravikoff D, CINAHL Nursing Guide, August 17, 2018</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T904373&site=nup-live&scope=site</p> <p>Hand Off: Patient Safety By: Caple C, Schub T, Pravikoff D, CINAHL Nursing Guide, February 9, 2018</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T704756&site=nup-live&scope=site</p> <p>Critical Thinking: the Nursing Process and Competent Patient Care By: Schub E, Karakashian AL, Pravikoff D, CINAHL Nursing Guide, February 2, 2018</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T707843&site=nup-live&scope=site</p> <p>Patient Safety: Pediatric Patients in the Emergency Department By: Schub T, Pravikoff D, CINAHL Nursing Guide, January 19, 2018</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T903673&site=nup-live&scope=site</p> <p>Nursing Report: Patient Hand-Off By: Schub E, Balderrama D, Pravikoff D, CINAHL Nursing Guide, April 6, 2018</p> <p>https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T705254&site=nup-live&scope=site</p> <p>Patient Education: Determining Appropriate Teaching Methods By: Schub T, Engelke Z,</p>
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	<p>Pravikoff D, CINAHL Nursing Guide, March 9, 2018 https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T706490&site=nup-live&scope=site</p> <p>Transportation of Patients: Ambulances -- Maintaining Patient Safety By: Schub T, Heering H, Pravikoff D, CINAHL Nursing Guide, March 23, 2018 https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T704601&site=nup-live&scope=site</p> <p>Patient Education: Implementing Appropriate Teaching Methods By: Schub T, Engelke Z, Pravikoff D, CINAHL Nursing Guide, January 26, 2018 https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T706488&site=nup-live&scope=site</p> <p>Disaster Preparedness Training for Healthcare Personnel By: Boling B, Pravikoff D, CINAHL Nursing Guide, December 15, 2017 https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T901605&site=nup-live&scope=site</p> <p>Preoperative Communication to Improve Patient Safety By: Mennella H, Heering H, Pravikoff D, CINAHL Nursing Guide, November 17, 2017 https://search.ebscohost.com/login.aspx?direct=true&db=nup&AN=T903683&site=nup-live&scope=site</p>
Kommentarer	

Database/kilde	NICE Guidance (UK) (obligatorisk)
Dato for søk	20.06.22
Søkehistorie eller fremgangsmåte	Sett gjennom: NICE Guidance > Settings > Hospitals Søk: simulation, simulator, simulated, manikin, mannequin
Antall treff	Ingen relevante
Kommentarer	<p>Se evt.</p> <p>Mental wellbeing at work NICE guideline [NG212], 2022</p> <ul style="list-style-type: none"> ➤ 1.8 Organisational-level approaches for high-risk occupations <p>https://www.nice.org.uk/guidance/ng212/chapter/Recommendations#training-and-support-for-managers</p> <p>Video laryngoscopes to help intubation in people with difficult airways. Medtech innovation briefing [MIB167], 2018</p> <p>https://www.nice.org.uk/advice/mib167</p>

Database/kilde	ECRI Guidelines Trust
Dato for søk	20.06.22
Søkehistorie eller fremgangsmåte	(simulation OR manikin* OR mannequin*)
Antall treff	<p>Triage Simulations Aid Clinicians Facing Pandemics, Other Crises. Strategic Insights for Health System – News, 2022</p> <p>https://www.ecri.org/components/HRCAlerts/Pages/HRCAlerts051122_Triage.aspx</p> <p>Communication, Teamwork, Quality Mentality Are Key to Surgical Safety, Deep Dive Finds.</p>

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	<p>Strategic Insights for Health System – News, 2020</p> <p>https://www.ecri.org/components/HRCAlerts/Pages/HRCAlerts102820_Communication.aspx</p> <p>ECRI. Culture of safety: an overview. Health Syst Risk Manage 2019 Jun 14.</p> <p>https://www.ecri.org/components/HRC/Pages/RiskQual21.aspx</p> <p>Hands-On Learning for Health Profession Trainees: Minimize Error-Prone Conditions Event reporting & Analysis – Guidance, 2019</p> <p>https://www.ecri.org/components/PSOCore/Pages/PSONav0519.aspx?tab=6</p> <p>Guideline for team communication. In: 2018 guidelines for perioperative practice. Denver (CO): Association of periOperative Registered Nurses (AORN); 2018</p> <p>https://guidelines.ecri.org/profile/378</p>
Kommentarer	

Database/kilde	Helsebibliotekets retningslinjer og veiledere
Dato for søk	20.06.22
Søkehistorie eller fremgangsmåte	simulering, simuleringstrening, simulator
Kommentarer	Ingen relevante

Database/kilde	Socialstyrelsen, Nationella riktlinjer (SE)
Dato for søk	20.06.22
Søkehistorie eller fremgangsmåte	Simuleringstråning, simulering, simulerad, simulator
Antall treff	<p>Agera för säker vård Nationell handlingsplan för patientsäkerhet i hälso och sjukvården 2020-2024 Socialstyrelsen, 2020</p> <p>https://www.socialstyrelsen.se/globalassets/sharepoint-dokument/artikelkatalog/ovrigt/2020-1-6564.pdf</p> <p>REMISS Nationell handlingsplan för ökad patientsäkerhet i hälsooch sjukvården 2020-2024 Socialstyrelsen, 2019</p> <p>https://www.socialstyrelsen.se/globalassets/sharepoint-dokument/dokument-webb/ovrigt/remiss-nationell-handlingsplan-for-okad-patientsakerhet-i-halso-och-sjukvarden.pdf</p> <p>Utvecklingen inom patientsäkerhetsområdet 2017 Socialstyrelsen, 2017</p> <p>https://www.socialstyrelsen.se/globalassets/sharepoint-dokument/artikelkatalog/ovrigt/2017-4-3.pdf</p>
Kommentarer	

Database/kilde	Sundhedsstyrelsen, Nationale kliniske retningslinjer (DK)
Dato for søk	17.06.22
Søkehistorie eller fremgangsmåte	<p>Sett gjennom emne: Uddannelse, Beredskab</p> <p>Søk: Simulation, simulering</p>
Antall treff	Simulations-baseret træning i den lægelige videre-uddannelse. Rapport fra Arbejdsgruppe for det Nationale Råd for Lægers Videreuddannelse, Sundhedsstyrelsen, 2019

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	https://www.sst.dk/da/Udgivelser/2019/Simulationsbaseret-traening-i-den-laegelige-videreuddannelse
Kommentarer	

Database/kilde	Center for kliniske retningslinjer (DK)
Dato for søk	17.06.22
Søkehistorie eller fremgangsmåte	Alle kliniske retningslinjer: søkt på simulation, simulering
Kommentarer	Ingen relevante

Database/kilde	Retningslinjer fra spesialistforeninger/specialist societies som prosedyremakerne kjenner til som kan være aktuelle for denne prosedyren
Dato for søk	Juni 2022
Søkehistorie eller fremgangsmåte	
Antall treff	<p>UpToDate Society guideline links: Patient safety in the operating room</p> <p>Internasjonale retningslinjer samlet av UpToDate. Oppdateres periodevis</p> <p>Healthcare Simulation Dictionary. Lopreiato J O. - Rockville, MD: Agency for Healthcare Research and Quality; October 2016. AHRQ Publication No. 16(17)-0043.</p> <p>https://www.ahrq.gov/sites/default/files/publications/files/sim-dictionary.pdf</p> <p>SSH Simulation Program Policy and Procedure Manual Model Template. Society for Simulation in Healthcare (SSH), 2021</p> <p>https://www.ssih.org/Portals/48/Docs/2021/Policy%20Manual%20Template%20v2021.pdf[10].pdf</p> <p>INACSL - International Nursing Association for Clinical Simulation and Learning</p> <p>IPSS - The International Pediatric Simulation Society</p> <p>SESAM - The Society in Europe for Simulation Applied to Medicine</p> <p>SSH - Society for Simulation in Healthcare</p>
Kommentarer	Forslag til lenker dere kan gå inn på over, dere fyller selv ut med evt. relevante treff.

Systematiske oversikter

Database/kilde	The Cochrane Library (obligatorisk)		
Dato for søk	20.06.22		
Søkehistorie	#1	MeSH descriptor: [Simulation Training] explode all trees	1161
	#2	MeSH descriptor: [Manikins] explode all trees	972

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	#3	MeSH descriptor: [Patient Simulation] explode all trees	502
	#4	((medical or patient* or clinical) near (simulator* or simulation* or simulated)):ti,ab,kw (Word variations have been searched)	4848
	#5	((simulator* or simulation* or simulated or sim or manikin* or mannikin* or mannequin*) near (training or trainer* or educat* or learn* or teach* or program* or course* or session* or modalit* or scenario* or facilitat* or center* or centre* or environment* or laborator*)):ti,ab,kw (Word variations have been searched)	6295
	#6	MeSH descriptor: [Crew Resource Management, Healthcare] explode all trees	4
	#7	(crm or "crew resource management" or SBME):ti,ab,kw (Word variations have been searched)	584
	#8	#1 or #2 or #3 or #4 or #5 or #6 or #7	10057
	#9	(virtual realit*):ti (Word variations have been searched)	2929
	#10	#8 not #9 Limited to: Years 2017 - 2022	9662
Antall treff	<p>Cochrane Reviews (18) Clinical Answers (1)</p> <p>Cochrane Reviews: 4 relevante</p> <p>Interventions for improving medical students' interpersonal communication in medical consultations.</p> <p>Cochrane Database of Systematic Reviews 2021, Issue 2. Art. No.: CD012418. DOI: 10.1002/14651858.CD012418.pub2.</p> <p>https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD012418.pub2/full</p> <p>Multi-professional simulation-based team training in obstetric emergencies for improving patient outcomes and trainees' performance. Cochrane Database of Systematic Reviews 2020, Issue 12. Art. No.: CD011545. DOI: 10.1002/14651858.CD011545.pub2.</p> <p>https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD011545.pub2/full</p> <p>The effects of interactive training of healthcare providers on the management of life-threatening emergencies in hospital. Cochrane Database of Systematic Reviews 2019, Issue 9. Art. No.: CD012177. DOI: 10.1002/14651858.CD012177.pub2.</p> <p>https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD012177.pub2/full</p> <p>Communication skills training for healthcare professionals working with people who have cancer. Cochrane Database of Systematic Reviews 2018, Issue 7. Art. No.: CD003751. DOI: 10.1002/14651858.CD003751.pub4.</p> <p>https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD003751.pub4/full</p> <p>Clinical Answers: 1</p> <p>Can multi-professional simulation-based team training improve patient outcomes and trainee performance in obstetric emergencies? Ashraf Nabhan (MD) (on behalf of Cochrane Clinical Answers Editors). Cochrane Clinical Answers 2021. DOI: 10.1002/cca.3580.</p> <p>https://www.cochranelibrary.com/cca/doi/10.1002/cca.3580/full</p>		
Kommentarer			
Database/kilde	Epistemonikos (obligatorisk)		
Dato for søk	20.06.22		

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<p>Søkehistorie eller fremgangsmåte</p>	<p>Advanced Search. Søkt i «Title OR Abstract»:</p> <p>(title:(title:(simulation* OR "crew resource management") AND (title:(educat* OR learn* OR teach* OR instruct* OR supervis* OR facilitat* OR training OR trainer* OR trainee* OR program* OR course* OR session* OR scenario* OR center* OR centre* OR laborator*) OR abstract:(educat* OR learn* OR teach* OR instruct* OR supervis* OR facilitat* OR training OR trainer* OR trainee* OR program* OR course* OR session* OR scenario* OR center* OR centre* OR laborator*)) AND (title:(skill OR skills OR competen* OR proficien* OR performance OR expertice OR knowledge OR implement* OR guideline* OR pathway* OR path OR paths OR pathway* OR procedure* OR planning OR standard* OR protocol* OR model* OR strateg* OR consensus* OR recommendat* OR statement* OR criteri* OR policy* OR "flow chart*" OR checklist* OR schedule* OR map OR maps OR step OR steps OR stepwise OR "best practice*" OR CPG OR CPGs OR evaluat* OR valid* OR effectiv* OR efficien* OR efficacy OR "patient safety" OR "patient outcome")) OR abstract:(skill OR skills OR competen* OR proficien* OR performance OR expertice OR knowledge OR implement* OR guideline* OR pathway* OR path OR paths OR pathway* OR procedure* OR planning OR standard* OR protocol* OR model* OR strateg* OR consensus* OR recommendat* OR statement* OR criteri* OR policy* OR "flow chart*" OR checklist* OR schedule* OR map OR maps OR step OR steps OR stepwise OR "best practice*" OR CPG OR CPGs OR evaluat* OR valid* OR effectiv* OR efficien* OR efficacy OR "patient safety" OR "patient outcome")) AND (title:(health* OR medical* OR clinical* OR patient* OR nurse OR nurses OR nursing OR staff OR personnel OR hospital* OR doctor* OR physician*) OR abstract:(health* OR medical* OR clinical* OR patient* OR nurse OR nurses OR nursing OR staff OR personnel OR hospital* OR doctor* OR physician*))) OR abstract:(title:(simulation* OR "crew resource management") AND (title:(educat* OR learn* OR teach* OR instruct* OR supervis* OR facilitat* OR training OR trainer* OR trainee* OR program* OR course* OR session* OR scenario* OR center* OR centre* OR laborator*) OR abstract:(educat* OR learn* OR teach* OR instruct* OR supervis* OR facilitat* OR training OR trainer* OR trainee* OR program* OR course* OR session* OR scenario* OR center* OR centre* OR laborator*)) AND (title:(skill OR skills OR competen* OR proficien* OR performance OR expertice OR knowledge OR implement* OR guideline* OR pathway* OR path OR paths OR pathway* OR procedure* OR planning OR standard* OR protocol* OR model* OR strateg* OR consensus* OR recommendat* OR statement* OR criteri* OR policy* OR "flow chart*" OR checklist* OR schedule* OR map OR maps OR step OR steps OR stepwise OR "best practice*" OR CPG OR CPGs OR evaluat* OR valid* OR effectiv* OR efficien* OR efficacy OR "patient safety" OR "patient outcome")) OR abstract:(skill OR skills OR competen* OR proficien* OR performance OR expertice OR knowledge OR implement* OR guideline* OR pathway* OR path OR paths OR pathway* OR procedure* OR planning OR standard* OR protocol* OR model* OR strateg* OR consensus* OR recommendat* OR statement* OR criteri* OR policy* OR "flow chart*" OR checklist* OR schedule* OR map OR maps OR step OR steps OR stepwise OR "best practice*" OR CPG OR CPGs OR evaluat* OR valid* OR effectiv* OR efficien* OR efficacy OR "patient safety" OR "patient outcome")) AND (title:(health* OR medical* OR clinical* OR patient* OR nurse OR nurses OR nursing OR staff OR personnel OR hospital* OR doctor* OR physician*) OR abstract:(health* OR medical* OR clinical* OR patient* OR nurse OR nurses OR nursing OR staff OR personnel OR hospital* OR doctor* OR physician*)))) NOT title:(("virtual reality"))</p> <p>Publication Year: Last 5 years</p>
<p>Antall treff</p>	<p>Broad Synthesis (17) Structured summary (0) Systematic review (262)</p>
<p>Kommentarer</p>	
<p>Database/kilde</p>	<p>Folkehelseinstituttet - rapporter og trykksaker</p>
<p>Dato for søk</p>	<p>20.06.22</p>
<p>Søkehistorie eller fremgangsmåte</p>	<p>simulering, simuleringstrening, simulator</p> <p>Dato: 2017 - 2022</p>

Dokumentasjon av litteratursøk for fagprosedyrer

Kommentarer	Ingen relevante
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Kvalitetsvurderte enkeltstudier

Database/kilde	McMaster PLUS – (ACP Journal Club (selected via PLUS) og PLUS Studies)
Dato for søk	20.06.22
Søkehistorie eller fremgangsmåte	simulation training, simulation education, simulated, crew rresource management Tidsavgrensning: 2017 - 2022
Antall treff	3 relevante
Kommentarer	

Er det nå funnet svar på spørsmålet og informasjonen er av forholdsvis ny dato (ikke mer enn tre år gammel), kan man avslutte søket. Dersom man ikke finner oppsummert kunnskap som tilfredstiller disse kravene, må det søkes i kilder for primærstudier.

Primærstudier

Database/kilde	Ovid MEDLINE																																		
Dato for søk	20.06.22																																		
Søkehistorie	Ovid MEDLINE(R) ALL 1946 to June 20, 2022 <table border="1" data-bbox="427 1115 1465 2031"> <thead> <tr> <th>#</th> <th>Searches</th> <th>Results</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Simulation Training/</td> <td>5585</td> </tr> <tr> <td>2</td> <td>Patient Simulation/ and (training or trainer* or teach* or educat* or learn* or program* or course*).ti,kf.</td> <td>2406</td> </tr> <tr> <td>3</td> <td>((simulation or simulator* or simulation-based or simulated or sim) adj3 (training or trainer* or educat* or learn* or program* or course* or session* or modalit* or scenario* or facilitat* or center* or centre* or environment* or laborator*)).ti.</td> <td>6561</td> </tr> <tr> <td>4</td> <td>SBME.ti,ab,kf.</td> <td>131</td> </tr> <tr> <td>5</td> <td>exp Crew Resource Management, Healthcare/</td> <td>66</td> </tr> <tr> <td>6</td> <td>or/1-5</td> <td>12461</td> </tr> <tr> <td>7</td> <td>Models, Anatomic/</td> <td>20630</td> </tr> <tr> <td>8</td> <td>Manikins/</td> <td>5554</td> </tr> <tr> <td>9</td> <td>(manikin* or mannikin* or mannequin*).ti,kf.</td> <td>1391</td> </tr> <tr> <td>10</td> <td>or/7-9</td> <td>26346</td> </tr> </tbody> </table>		#	Searches	Results	1	Simulation Training/	5585	2	Patient Simulation/ and (training or trainer* or teach* or educat* or learn* or program* or course*).ti,kf.	2406	3	((simulation or simulator* or simulation-based or simulated or sim) adj3 (training or trainer* or educat* or learn* or program* or course* or session* or modalit* or scenario* or facilitat* or center* or centre* or environment* or laborator*)).ti.	6561	4	SBME.ti,ab,kf.	131	5	exp Crew Resource Management, Healthcare/	66	6	or/1-5	12461	7	Models, Anatomic/	20630	8	Manikins/	5554	9	(manikin* or mannikin* or mannequin*).ti,kf.	1391	10	or/7-9	26346
#	Searches	Results																																	
1	Simulation Training/	5585																																	
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4	SBME.ti,ab,kf.	131																																	
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6	or/1-5	12461																																	
7	Models, Anatomic/	20630																																	
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10	or/7-9	26346																																	

Dokumentasjon av litteratursøk for fagprosedyrer

11	((simulator* or simulation* or simulated or sim or crew resource management or crm) and (medical or patient* or clinical or training or trainer* or supervis* or teach* or facilitat* or learn* or educat* or course* or program*)).ti,ab,kf.	164320
12	10 and (6 or 11)	5366
13	6 or 12	16458
14	professional competence/	25011
15	clinical competence/	102488
16	(performance or proficien* or skill or skills or competence or competencies or expertice).ti.	282929
17	or/14-16	387898
18	(trainee* or participant* or resident* or student* or health personnel* or health care pro* or HCP or HCPs or HCP's or nurse or nurses or doctor or doctors or physician or physicians).ti,ab,kf.	2182884
19	Models, Educational/	10484
20	curriculum development/	0
21	exp Learning/ed, mt, st [Methods, Standards]	3481
22	exp Curriculum/ed, mt, st [Methods, Standards]	9764
23	exp Teaching/ed, mt, st [Methods, Standards]	34892
24	exp Problem-Based Learning/mt, st [Methods, Standards]	3259
25	((educat* or pedagog* or training or learn* or teach*) adj (principle* or method* or standard* or theory or theories or curriculum* or model* or circle* or objective* or goal*)).ti,kf.	12853
26	or/19-25	60221
27	exp "Diffusion of Innovation"/	21290
28	exp Technology Transfer/	2132
29	exp Information Dissemination/	18860
30	exp Translational Research, Biomedical/	12668
31	"National Center for Advancing Translational Sciences (U.S.)"/	12
32	exp Organizational Innovation/	27597

Dokumentasjon av litteratursøk for fagprosedyrer

33	exp Health Plan Implementation/	6628
34	(implement or implementing or implementation or disseminat* or diffusion or innovat*).ti.	178222
35	or/27-34	248405
36	Evaluation Studies/ or Program Evaluation/ or Educational Measurement/ or "Treatment Outcome"/ or "Outcome Assessment (Health Care)"/ or Validation Studies/ or Patient Safety/	1615482
37	((outcome or peer) adj assessment).ti.	959
38	(efficacy or effective* or efficien*).ti.	529598
39	or/36-38	2045949
40	(guideline or practice guideline).pt.	37103
41	((clinical adj3 pathway) or (clinical adj3 pathways) or (practice adj3 parameter) or (practice adj3 parameters)).ti,ab,kw. or algorithms/ or care pathway.ti,ab,kw. or care pathways.ti,ab,kw. or clinical protocols/ or Consensus/ or Consensus Development Conference.pt. or Consensus Development Conference, NIH.pt. or Consensus Development Conferences as Topic/ or Consensus Development Conferences, NIH as Topic/ or critical pathways/ or exp clinical pathway/ or guidance.ti,ab. or guideline*.ti. or guidelines as topic/ or practice guidelines as topic/ or Health Planning Guidelines/ or Guideline/ or practice guideline/ or Planning Techniques/	727551
42	(guideline* or pathway* or path or paths or procedure* or planning or standard* or protocol* or model* or strateg* or consensus* or recommendat* or statement* or criteri* or policy* or flow chart* or checklist* or schedule* or map or maps or phase or phases or step or steps or stepwise or position statement* or policy statement* or practice parameter* or best practice* or CPG or CPGs).ti.	2008624
43	or/40-42	2517194
44	exp "Systematic Review"/ and (review or overview or summary or synthesis or syntheses).ti.	154571
45	(Systematic Review or Meta-Analysis).pt. or (systematic and review).ti. or (metaanalysis or metaanalyses or meta-analysis or meta-analyses or synthesis review or metasynthesis or metasyntheses or meta-synthesis or meta-syntheses or metaregression or meta-regression or evidence synthesis or evidence syntheses or evidence-based synthesis or scopingreview or umbrella review).ti.	340108
46	(synthesis adj evidence).ti.	39
47	or/44-46	340146

Dokumentasjon av litteratursøk for fagprosedyrer

	48	13 and 17 and 18 and (43 or 47)	1005
	49	13 and 26 and (43 or 47)	969
	50	13 and 35 and (43 or 47)	102
	51	13 and 39 and (43 or 47)	833
	52	or/48-51	1950
	53	limit 52 to ((danish or english or norwegian or swedish) and last 5 years)	985
Database(s): Embase ,1947 to 2022 June 20			
	#	Searches	Results
	1	exp simulation training/	7746
	2	exp patient simulation/	1525
	3	SBME.ti,ab,kf.	165
	4	crew resource management.ti,ab,kf.	468
	5	((simulation or simulator* or simulated or sim) adj3 (medical or patient* or clinical or training or trainer* or educat* or learn* or program* or course* or session* or modalit* or scenario* or facilitat* or center* or centre* or environment* or laborator*)).ti.	11932
	6	or/1-5	18791
	7	exp manikin/	2903
	8	exp CPR manikin/	626
	9	(manikin* or mannikin* or mannequin*).ti,kf.	1903
	10	or/7-9	4786
	11	(simulator* or simulation* or simulated or sim or crm).ti,ab,kf.	611364
	12	10 and (6 or 11)	2463
	13	6 or 12	20413
	14	professional competence/	33524
	15	clinical competence/	66269
	16	skill/	102019
	17	(performance or proficien* or skill or skills or competence or competencies or expertice).ti.	330551
	18	or/14-15	98955
	19	(trainee* or participant* or resident* or student* or health personnel* or health care pro* or HCP or HCPs or HCP's or nurse or nurses or doctor or doctors or physician or physicians).ti,ab,kf.	2909484
	20	educational model/	8763

Dokumentasjon av litteratursøk for fagprosedyrer

21	curriculum development/	5182
22	learning/	236603
23	curriculum/	103726
24	teaching/	108852
25	problem based learning/	8306
26	vocational education/	12079
27	continuing education/	33062
28	paramedical education/	3953
29	clinical education/	14761
30	health education/	109617
31	nursing education/	93265
32	in service training/	16728
33	((educat* or pedagog* or training or learn* or teach*) adj (principle* or method* or standard* or theory or theories or curriculum* or model* or circle* or objective* or goal*)).ti,kf.	16176
34	or/20-33	646668
35	"diffusion of innovation"/	64
36	implementation science/	2730
37	information dissemination/	23626
38	translational research/	20335
39	(implement or implementing or implementation or disseminat* or diffusion or innovat*).ti.	222936
40	or/35-39	265629
41	evaluation study/	53709
42	program evaluation/	17721
43	treatment outcome/	925196
44	outcome assessment/	689811
45	validation study/	96869
46	patient safety/	137535
47	((outcome or peer) adj assessment).ti.	1273
48	(efficacy or effective* or efficien*).ti.	714608
49	or/35-48	2704770
50	exp clinical pathway/	9317
51	exp clinical protocol/	112711
52	clinical protocols/	105781

Dokumentasjon av litteratursøk for fagprosedyrer

53	exp consensus/	88142
54	exp consensus development conference/	25799
55	exp consensus development conferences as topic/	25799
56	critical pathways/	9317
57	exp practice guideline/	647462
58	health planning guidelines/	105731
59	Clinical Decision Rules/	431
60	(position statement* or policy statement* or practice parameter* or best practice*).ti,ab,kf.	59966
61	(standards or guideline or guidelines).ti,kf.	176634
62	((practice or treatment* or clinical) adj guideline*).ti,ab,kf.	88762
63	(CPG or CPGs).ti.	7456
64	consensus*.ti,kf.	39711
65	consensus*.ab. /freq=2	40977
66	((critical or clinical or practice) adj2 (path or paths or pathway or pathways or protocol*).ti,ab,kf.	37667
67	recommenda*.ti,kf. or guideline recommendation*.ti,ab,kf.	69892
68	(care adj2 (standard or path or paths or pathway or pathways or map or maps or plan or plans)).ti,ab,kf.	132449
69	(guideline* or standards or consensus* or recommenda*).au.	26
70	(guideline* or standards or consensus* or recommenda*).co.	1819
71	(guideline* or pathway* or path or paths or procedure* or planning or standard* or protocol* or model* or strateg* or consensus* or recommenda* or statement* or criteri* or policy* or flow chart* or checklist* or schedule* or map or maps or phase or phases or step or steps or stepwise).ti.	2490968
72	or/50-71	3307133
73	exp "systematic review"/ and (review or overview or summary or synthesis or syntheses).ti.	205782
74	meta analysis/	248488
75	(meta analys* or metaanalys* or ((systematic* or literature* or integrative*) adj2 review*).tw,kw. or medline.tw. or review*.ti,kw.	1158542
76	((systematic and review) or (metaanalysis or metaanalyses or meta-analysis or meta-analyses or synthesis review or metasynthesis or metasyntheses or meta-synthesis or meta-syntheses or metaregression or meta-regression or evidence synthesis or evidence syntheses or evidence-based synthesis or scopingreview or umbrella review)).ti.	326549
77	(synthesis adj evidence).ti.	45
78	or/73-77	1193492

Dokumentasjon av litteratursøk for fagprosedyrer

	79	13 and 18 and 19 and (72 or 78)	526
	80	13 and 34 and (72 or 78)	1733
	81	13 and 40 and (72 or 78)	203
	82	13 and 49 and (72 or 78)	1061
	83	or/79-82	2564
	84	limit 83 to ((danish or english or norwegian or swedish) and last 5 years)	1569
	85	limit 84 to conference abstract	347
	86	84 not 85	1222
Antall treff	2207 før dublettsjekk		
Kommentarer			

Database/kilde: CINAHL		
Dato for søk: 20.06.22		
Søkehistorie eller fremgangsmåte:		
S1	(MH "Simulations+/AM/ED/EV/ST") OR (MH "Patient Simulation")	4,581
S2	TI ((training or trainer* or educat* or learn* or teach* or program* or course* or session* or modalit* or scenario* or facilitat* or center* or centre* or environment* or laborator*) AND (simulator* or simulation* or simulated))	7,146
S3	TI (manikin* or mannikin* or mannequin*) AND (TI (simulator* or simulation* or simulated) OR AB (simulator* or simulation* or simulated))	241
S4	S1 OR S2 OR S3	10,733
S5	(MM "Communication Skills Training")	1,764
S6	(MM "Staff Development+")	12,836
S7	(MH "Clinical Supervision")	3,821
S8	(MH "Health Occupations+/ED")	46,298
S9	(MH "Education, Physical Education")	334
S10	TI (training or trainer* or educat* or learn* or teach* or program* or course* or session* or modalit* or scenario* or facilitat* or center* or centre* or environment* or laborator*)	565,375
S11	S5 OR S6 OR S7 OR S8 OR S9 OR S10	598,003
S12	S4 AND S11	8,340
S13	TI crew resource management OR SBME OR AB crew resource management OR SBME	241
S14	S12 OR S13	8,541
S15	(MM "Program Planning") OR (MM "Strategic Planning+") OR (MM "Planning Techniques+")	9,148
S16	(MH "Protocols+") OR (MH "Communication Protocols+")	44,715
S17	TI policy* or flow chart* or checklist* or schedule* or map or maps or step or steps or stepwise	289,622
S18	MH Critical Path or MH Practice Guidelines or PT (practice guidelines or standards or protocol or critical path or care plan) or TI ("position statement*" or "policy statement*" or "practice parameter*" or "best practice*") OR AB ("position statement*" or "policy statement*" or "practice parameter*" or "best practice*") or TI (standards or guideline or guidelines) or AB (practice N1 guideline* or treatment* N1 guideline*) or TI (CPG or CPGs) or TI consensus* or AB consensus* or AU (guideline* or standards or consensus* or recommendat*) or CA (guideline* or standards or consensus* or recommendat*) or TI (critical N2 path or critical N2 paths or critical N2 pathway or critical N2 pathways or critical N2 protocol* or clinical N2 path or clinical N2 paths or clinical N2 pathway or clinical N2 pathways or clinical N2 protocol* or practice N2 path or practice N2 paths or practice N2 pathway or practice N2 pathways or practice N2 protocol*) or AB (critical N2 path or critical N2 paths or critical N2 pathway or critical N2 pathways or critical N2 protocol* or	338,895

Dokumentasjon av litteratursøk for fagprosedyrer

	clinical N2 path or clinical N2 paths or clinical N2 pathway or clinical N2 pathways or clinical N2 protocol* or practice N2 path or practice N2 paths or practice N2 pathway or practice N2 pathways or practice N2 protocol*) or TI recommendat* or TI (care N2 path or care N2 paths or care N2 pathway or care N2 pathways or care N2 map or care N2 maps or care N2 plan or care N2 plans or care N2 standard*) or AB (care N2 path or care N2 paths or care N2 pathway or care N2 pathways or care N2 map or care N2 maps or care N2 plan or care N2 plans or care N2 standard*) or TI (algorithm* AND (screening or examination or test or tested or testing or assessment* or diagnosis or diagnoses or diagnosed or diagnosing)) or AB (algorithm* AND (screening or examination or test or tested or testing or assessment* or diagnosis or diagnoses or diagnosed or diagnosing)) or (PT algorithm* AND TI (screening or examination or test or tested or testing or assessment* or diagnosis or diagnoses or diagnosed or diagnosing)) or (PT algorithm* AND AB (screening or examination or test or tested or testing or assessment* or diagnosis or diagnoses or diagnosed or diagnosing)) or TI (algorithm* AND (pharmacotherap* or chemotherap* or chemotreatment* or therap* or treatment* or intervention*)) OR AB (algorithm* AND (pharmacotherap* or chemotherap* or chemotreatment* or therap* or treatment* or intervention*)) or (PT algorithm AND TI (pharmacotherap* or chemotherap* or chemotreatment* or therap* or treatment* or intervention*)) or (PT algorithm AND AB (pharmacotherap* or chemotherap* or chemotreatment* or therap* or treatment* or intervention*))	
S19	S15 OR S16 OR S17 OR S18	638,879
S20	S14 AND S19	1,137
S21	(MM "Models, Educational")	1,809
S22	(MM "Problem-Based Learning")	2,009
S23	(MM "Teaching Methods, Clinical+")	3,772
S24	(MM "Curriculum Development") OR (MM "Course Content")	4,710
S25	S21 OR S22 OR S23 OR S24	12,073
S26	S14 AND S25	409
S27	(MM "Program Evaluation") OR (MM "Evaluation and Quality Improvement Program")	15,834
S28	(MM "Validation Studies")	386
S29	(MM "Outcome Assessment")	17,371
S30	(MM "Treatment Outcomes+") OR (MM "Patient Safety+")	142,844
S31	TI efficacy or effective or efficien*	102,531
S32	S27 OR S28 OR S29 OR S30 OR S31	270,479
S33	S14 AND S32	636
S34	(MH "Systems Implementation") OR (MH "Program Implementation") OR (MH "Implementation Science")	12,276
S35	S14 AND S34	82
S36	PT review or systematic review or meta analysis	113,527
S37	TI ("meta analys*" or metaanalys* or review*) OR AB ("meta analys*" or metaanalys* or ((systematic* or literature* or umbrella or scoping or rapid or integrative*) N1 review*))	88,802
S38	S36 OR S37	137,459
S39	S26 OR S33 OR S35	1,081
S40	S38 AND S39	42
S41	S20 OR S40 Limiters - Published Date: 20170101-20221231; Exclude MEDLINE records; Language: Danish, English, Norwegian, Swedish	406
Antall treff	406	
Kommentarer		