

## BILAG 2

### Søgestrategi

#### *Fokuseret spørgsmål 1:*

*Hvilken effekt har brug af sterilt saltvand eller sterilt vand sammenlignet med postevand og sæbe til vask af meatusområdet hos den voksne indlagte patient før anlæggelse af KAD med henblik på reducere af kateterrelaterede infektioner?*

<b>Population</b>	<b>Intervention</b>	<b>Alternativ</b>	<b>Outcome</b>
<b>Alle voksne &gt; 18 år</b>	<b>Anlæggelse af kateter á demeure hvor patient afvaskes med steril vand eller steril saltvand.</b>  <b>MeSH-term:</b> <b>Urinary catheterization, urethral catheterization, bacteriuria, nosokomial infections, catheter related infections.</b>  <b>Fritekst:</b> <b>Indwelling urinary catheter, indwelling catheter, management, indwelling urethral catheter</b>	<b>Anlæggelse af kateter á demeure hvor patient afvaskes med postevand og sæbe.</b>  <b>MeSH-term:</b> <b>Urinary catheterization, urethral catheterization, bacteriuria, nosokomial infections, catheter related infections.</b>  <b>Fritekst:</b> <b>Indwelling urinary catheter, indwelling catheter, management, urethral catheter</b>	<b>Minimering af forekomsten af urinvejsinfektion grundet kontaminering ved anlæggelse.</b>

<b>Alle voksne &gt; 18 år</b>	<b>Anvendelse af sterile handsker ved anlæggelse af kateter á demeure.</b>  <b>MeSH-term: Surgical gloves</b>	<b>Anvendelse af rene handsker ved anlæggelse af kateter á demeure.</b>  <b>MeSH-term: Protective gloves</b>	<b>Minimering af forekomsten af urinvejsinfektion grundet kontaminering ved anlæggelse.</b>

## MeSH- og fritekstsøgning:

• Urethral catheterization	738
• Urinary catheterization	4629
• Bacteriuria	2458
• Indwelling catheter	3779
• Indwelling urinary catheter	453
• Indwelling catheter management	3144
• Indwelling urethral catheter	1004
• Urethral catheter	1060
• Management	87169
• Nosocomial infections	41720
• Catheter related infections	3421
• Protective gloves	1437
• Surgical gloves	1560

I alt 152572

## Kombinationer:

• Indwelling urethral catheter AND management	71
• Indwelling urinary catheter AND bacteriuria	4
• Indwelling urinary catheter AND nosocomial infections	2
• Indwelling urinary catheter AND catheter related infections	5
• Indwelling urinary catheter AND management	8
• Urinary catheterization AND bacteriuria	173
• Urinary catheterization AND nosocomial infections	335
• Urinary catheterization AND catheter related infections	186
• Urinary catheterization AND management	1006
• Urinary catheterization AND protective gloves	2
• Urinary catheterization AND surgical gloves	1
• Urethral catheterization AND bacteriuria	153
• Urethral catheterization AND nosocomial infection	326
• Urethral catheterization AND catheter related infections	154
• Urethral catheterization AND protective gloves	2

• Urethral catheterization AND surgical gloves	1
• Urethral catheter AND bacteriuria	1
• Urethral catheter AND nosocomial infections	0
• Urethral catheter AND catheter related infections	0
• Urethral catheter AND management	5
I alt	2435

**Limits:**

**PubMed: Litteratur publiceret 2003-2010**

**Cochrane: Litteratur publiceret 2003-2009**

**Embase: Litteratur publiceret 2003-2010**

**Cinahl: Litteratur publiceret 2003-2009**

## **Fokuseret spørgsmål 2:**

**Hvilke afvaskningsmidler kan anbefales til rengøring af meatusområdet, og hvor ofte bør meatusområdet rengøres i kateteriseringsperioden med henblik på reducere af kateterrelaterede infektioner hos den voksne (18 år eller derover) indlagte eller ambulante patient, der bærer uretral, permanent kateter?**

<b>Population</b>	<b>Intervention</b>	<b>Alternativ</b>	<b>Outcome</b>
<b>Alle voksne &gt; 18 år</b>	<b>1) Afvask efter fastlagt skema en eller flere gange dagligt.</b>  <b>2) Afvask med postevand og sæbe.</b>  <b>MeSH-term: Urinary catheterization, indwelling catheter, bacteriuria, nosokomial infections, catheter related infections.</b>	<b>1) Ingen rutinemæssig afvask.</b>  <b>2) Afvask med andre midler.</b>  <b>MeSH-term: Urinary catheterization, indwelling catheter, bacteriuria, nosokomial infections, catheter related infections.</b>	<b>Minimering af forekomsten af urinvejsinfektion grundet kontaminering i kateteriseringsperioden.</b>

	<p><b>Fritekst:</b>  <b>Catheter maintain, catheter maintains, catheter maintaince, indwelling catheter, quality of life, evidence based nursing, urethral catheter, patient lived experience, urinary catheter care, meatal care, meatal cleansing, meatus cleaning, urinary catheterization, urinary catheterisation, indwelling urinary catheter, catheter associated urinary tract infection, catheter associated urinary tract infection prevention, antiseptic technique</b></p>	<p><b>Fritekst:</b>  <b>Catheter maintain, catheter maintains, indwelling catheter, quality of life, evidence based nursing, urethral catheter, patient lived experience, urinary catheter care, meatal care, meatal cleansing, meatus cleaning, urinary catheterization, urinary catheterisation, indwelling urinary catheter</b></p>	
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**Fritekst:**

- Urethral catheter
- Indwelling urinary catheter
- Urinary catheterization
- Indwelling urinary catheterization
- Urethral catheterization
- meatus cleaning
- meatal cleaning
- meatal cleansing

**Antal hits:**

1322  
 831  
 4749  
 425  
 2082  
 12  
 5  
 4

• meatal care	30
• antiseptic technique	381
• Evidence based nursing	5220
• Catheter maintain	870
• Catheter maintains	356
• Catheter maintainece	0
• Catheter management	4452
• Urinary catheter care	786
• Catheter associated urinary tract infection	548
• Catheter associated urinary tract infection prevention	129
• Catheter related infection	6282
• Catheter related infections	6850
• Bacteriuria	1836
• Nosocomial infections	14779
• Quality of life	211068
• Patient lived experience	2346
<b>I alt</b>	<b>265363</b>

## Kombinationer:

• Urethral catheter AND catheter maintains	2
• Urethral catheter AND catheter maintain	8
• Urethral catheter AND catheter maintainece	0
• Urethral catheter AND catheter management	164
• Urethral catheter AND evidence based nursing	6
• Urethral catheter AND catheter associated urinary tract infection	38
• Urethral catheter AND catheter associated urinary tract infection prevention	13
• Urethral catheter AND catheter related infection	44
• Urethral catheter AND catheter related infections	43
• Urethral catheter AND bacteriuria	53
• Urethral catheter AND nosocomial infections	23
• Urethral catheter AND quality of life	152
• Urethral catheter AND patient lived experience	1
• Indwelling urinary catheter AND catheter maintain	9
• Indwelling urinary catheter AND catheter maintains	0
• Indwelling urinary catheter AND catheter maintainece	0
• Indwelling urinary catheter AND catheter management	154
• Indwelling urinary catheter AND evidence based nursing	17
• Indwelling urinary catheter AND catheter associated urinary tract infection	135
• Indwelling urinary AND catheter associated urinary tract infection prevention	33
• Indwelling urinary catheter AND catheter related infection	106
• Indwelling urinary catheter AND catheter related infections	99
• Indwelling urinary catheter AND bacteriuria	94

• Indwelling urinary catheter AND nosocomial infections	88	
• Indwelling urinary catheter AND quality of life	65	
• Indwelling urinary catheter AND patient lived experience	3	
• Urinary catheterization AND meatal cleaning	0	
• Urinary catheterization AND meatal cleansing	2	
• Urinary catheterization AND meatus cleaning	1	
• Urinary catheterization AND antiseptic technique	2	
• Urinary catheterization AND evidence based nursing		17
• Urinary catheterization AND catheter associated urinary tract infection	157	
• Urinary catheterization AND catheter associated urinary tract infection prevention	52	
• Urinary catheterization AND catheter related infection	84	
• Urinary catheterization AND catheter related infections	142	
• Urinary catheterization AND bacteriuria	131	
• Urinary catheterization AND nosocomial infections	173	
• Indwelling urinary catheterization AND meatal cleaning	0	
• Indwelling urinary catheterization AND meatal cleansing	0	
• Indwelling urinary catheterization AND meatus cleaning	1	
• Indwelling urinary catheterization AND antiseptic technique	0	
• Indwelling urinary catheterization AND evidence based nursing	13	
• Indwelling urinary catheterization AND catheter associated urinary tract infection	76	
• Indwelling urinary catheterization AND catheter associated urinary tract infection prevention	27	
• Indwelling urinary catheterization AND catheter related infection	35	
• Indwelling urinary catheterization AND catheter related infections	31	
• Indwelling urinary catheterization AND bacteriuria	42	
• Indwelling urinary catheterization AND nosocomial infections	54	
• Urethral catheterization AND meatal cleaning	0	
• Urethral catheterization AND meatal cleansing	0	
• Urethral catheterization AND meatus cleaning	1	
• Urethral catheterization AND antiseptic technique	2	
• Urethral catheterization AND evidence based nursing		17
• Urethral catheterization AND catheter associated urinary tract infection	144	
• Urethral catheterization AND catheter associated urinary tract infection prevention	50	
• Urethral catheterization AND catheter related infection	74	
• Urethral catheterization AND catheter related infections	66	
• Urethral catheterization AND bacteriuria	101	
• Urethral catheterization AND nosocomial infections	161	
I alt	2966	



**Limits:**

**PubMed: Adult 19-44 year, litteratur publiceret 2003-2010**

**Cochrane: Litteratur publiceret 2003-2010**

**Embase: Litteratur publiceret 2003-2011**

**Cinahl: All adult, litteratur publiceret 2003-2010**

**Fokuseret spørgsmål 3:**

**Hvilken uretral, permanent katetertype og størrelse kan anbefales til brug hos den voksne (18 år eller derover) indlagte eller ambulante patient med henblik på at reducere forekomsten af kateterrelaterede infektioner?**

<b>Population</b>	<b>Intervention</b>	<b>Alternativ</b>	<b>Outcome</b>
<b>Alle voksne &gt; 18 år</b>	<b>Anvendelse af sølvcoated kateter ved anlæggelse af kateter á demeure.</b>  <b>MeSH-term:</b> <b>Silver alloyed catheter, bacteriuria, nosocomial infections, catheter related infections.</b>  <b>Ingen fundet for short-term eller long-term catheter.</b>  <b>Fritekst:</b> <b>Short-term urinary catheter, urinary catheter, size, urethral catheter, urethral catheter type, indwelling urethral catheter type, indwelling foley catheter, foley catheter,</b>	<b>Anvendelse af andre katetertyper ved anlæggelse af kateter á demeure.</b>  <b>MeSH-term:</b> <b>Ingen fundet for short-term og long-term catheter, bacteriuria, nosokomial infections, catheter related infections.</b>  <b>Fritekst:</b> <b>Short term urinary catheter</b>	<b>Hvilken type kateter minimerer kateterrelateret urinvejsinfektion ved henholdsvis korttids- og langtidskateterisering.</b>

	<b>health care associated infections</b>		
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## MeSH- og fritekstsøgning:

## Antal hits:

• health care associated infections.	8396
• bacteriuria	6961
• nosocomial infections	19774
• catheter related infections	2526
• urinary catheter.	2519
• urinary catheter size	256
• Short term urinary catheter	169
• indwelling urethral catheter type	53
• indwelling foley catheter	156
• foley catheter	2393
• urethral catheter	1372
• urethral catheter type	262
• silver alloy catheters	31
I alt	44868

## Kombinationer:

• Silver alloy catheters AND bacteriuria	4
• Silver alloy catheters AND nosocomial infections	1
• Silver alloy catheters AND catheter related infections	0
• Silver alloy catheters AND health care associated infections	0
• Urethral catheter AND bacteriuria	16
• Urethral catheter AND nosocomial infections	9
• Urethral catheter AND catheter related infections	5
• Urethral catheter AND health care related infections	0
• Indwelling urethral catheter type AND bacteriuria	23
• Indwelling urethral catheter type AND nosocomial infections	5
• Indwelling urethral catheter type AND catheter related infections	4
• Indwelling urethral catheter type AND health care related infections	0
• Indwelling foley catheter AND bacteriuria	8
• Indwelling foley catheter AND nosocomial infections	6
• Indwelling foley catheter AND catheter related infections	1
• Indwelling foley catheter AND health care related infections	4
• Foley catheter AND bacteriuria	36
• Foley catheter AND nosocomial infections	31
• Foley catheter AND catheter related infections	5
• Foley catheter AND health care associated infections	5

- Short term urinary catheter AND bacteriuria 8
- Short term urinary catheter AND nosocomial infections 10
- Short term urinary catheter AND catheter related infections 9
- Short term urinary catheter AND health care associated infections 2
- Urinary catheter size AND bacteriuria 2
- Urinary catheter size AND nosocomial infections 12
- Urinary catheter size AND catheter related infections 7
- Urinary catheter size AND health care associated infections 3

I alt 216

**Limits:**

**PubMed. Humans, all adult 19+ years, published in the last 10 years**

**Cochrane: Litteratur publiceret 2003-2009**

**Embase: No limits**

## Fokuseret spørgsmål 4:

*Hvilken væske kan anbefales til opfyldning af ballonen i det permanente kateter hos voksne (18 år eller derover) indlagte eller ambulante patienter?*

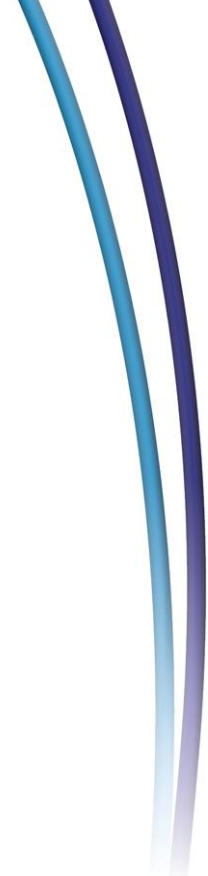
Population	Intervention	Alternativ	Outcome
Alle voksne > 18 år	Anvendelse af glycerin ved opfyldning af kateterballon.  MeSH-term: Glycerine  Fritekst: Glycerine, urinary catheter balloon, urinary catheterization, urethral catheter, urinary catheter	Anvendelse af sterilt vand eller sterilt saltvand ved opfyldning af kateterballon.  MeSH-term: Sterile water Sodium chloride  Fritekst: Urinary catheter balloon, urinary catheterization, urethral catheter, urinary catheter	Diffusion af væske fra ballonen. Forekomst af problemer med at tømme ballon ved seponering.

### Fritekst:

- urinary catheter balloon. 140
- urethral catheter 2279
- urinary catheter 3480

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- CLEARINGHOUSE



Side 13

[www.cfk](http://www.cfk)

[kontakt@c](mailto:kontakt@c)

- urinary catheterization
- glycerine
- Sterile water
- Sodium chloride

I alt

2763  
2453  
425  
101057

112597



[www.ssi.dk](http://www.ssi.dk)

[www.bardmedical.com](http://www.bardmedical.com)

WHO Guidelines on Hand Hygiene in Health Care

[http://extranet.who.int/iris/bitstream/123456789/569/1/9789241597906\\_eng.pdf](http://extranet.who.int/iris/bitstream/123456789/569/1/9789241597906_eng.pdf)

[www.google.dk](http://www.google.dk)

**Søgning i Dansk Standard:**

Styring af infektionshygiejne i sundhedssektoren - Del 7: Krav til brug af katetre, der efterlades som urinvejsdrænage.