

Hvordan bli en Pubmed ninja?

Farmasøyt Hilde Fjeld


RELIS Sør-Øst/Antibiotikateam OUS

31. januar 2024



Min bakgrunn

RELIS Producentuavhengig legemiddelinformasjon for helsepersonell

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Søk etter svar hos RELIS

Søk i vår database

Still spørsmål til RELIS!

Siste publiserte artikler

RELIS og kunstig intelligens
18.01.2024
Kan antikolinerg belastning være en risikofaktor for urinveisinfeksjon?
03.01.2024
Bytte legemidler – ekvipotens
18.12.2023
Salisylsyre i hudpleieprodukter – Ingen grunn til å skremme gravide!
18.12.2023
Retningslinjer for behandling av depresjon
15.12.2023

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Retningslinjer for behandling av depresjon

I 2023 ble retningslinje for diagnostisering og behandling av voksne med depresjon avpublisert. Vi ønsket å undersøke om det er andre retningslinjer som kan være til nytte for oss i Norge.

Webinar: Uønskede kinoloner – noen grunner til å velge andre antibiotika

RELIS arrangerte et webinar i samarbeid med antibiotikateamet på sykehuset. Farmasøyt Hilde Fjeld presenterte bivirkninger av kinoloner, samt en nyere studie om bruk av ciprofloksacin ved et lokalsykehus. Opptaket varer kun i 10 minutter.



Meld en bivirkning



Kurs og seminarer



Trygg Mammamedisin

Gravid eller ammende?



KUPP

TIDSSKRIFT FOR DEN NORSKE LEGEFORENING

MANDAG 29. JANUAR 2024

Tidsskriftet

ARTIKLER

FAGOMRÅDER

UTGAVER

PODKAST

FORFATTERVEILEDNING

LEGEJOBBER

SØK Q

OVERSIKTSARTIKKEL

Polyheksanid – sikkerhet og effekt som antiseptikum

ARTIKKEL

Hilde Fjeld, Egil Lingaas Om forfatterne

LITTERATUR

KOMMENTARER (0)

BAKGRUNN

Polyheksametylenbiguanidhydroklorid/poliheksanid/polyaminopropylbiguanid (PHMB) brukes som desinfeksjonsmiddel og antiseptikum. Artikkelen omhandler bruk av stoffet som antiseptikum. Vi oppsummerer publiserte data om antimikrobiell effekt in vitro og klinisk effekt og sikkerhet ved bruk på hud, sår og slimhinner.

KUNNSKAPSGRUNNLAG

Det ble søkt i PubMed etter artikler publisert de siste fem år. Tilgjengelige artikler per juni 2014 ble evaluert.

ENGLISH

Publisert: 3. mai 2016
Utgave 8, 3. mai 2016

Tidsskr Nor Legeforen 2016
136: 707-11
doi: 10.4045/tidsskr.14.1041

Mottatt 25.8. 2014, første
revisjon innsendt 16.1. 2015,
godkjent 7.3. 2016. Redaktør:
Trine B. Haugen.

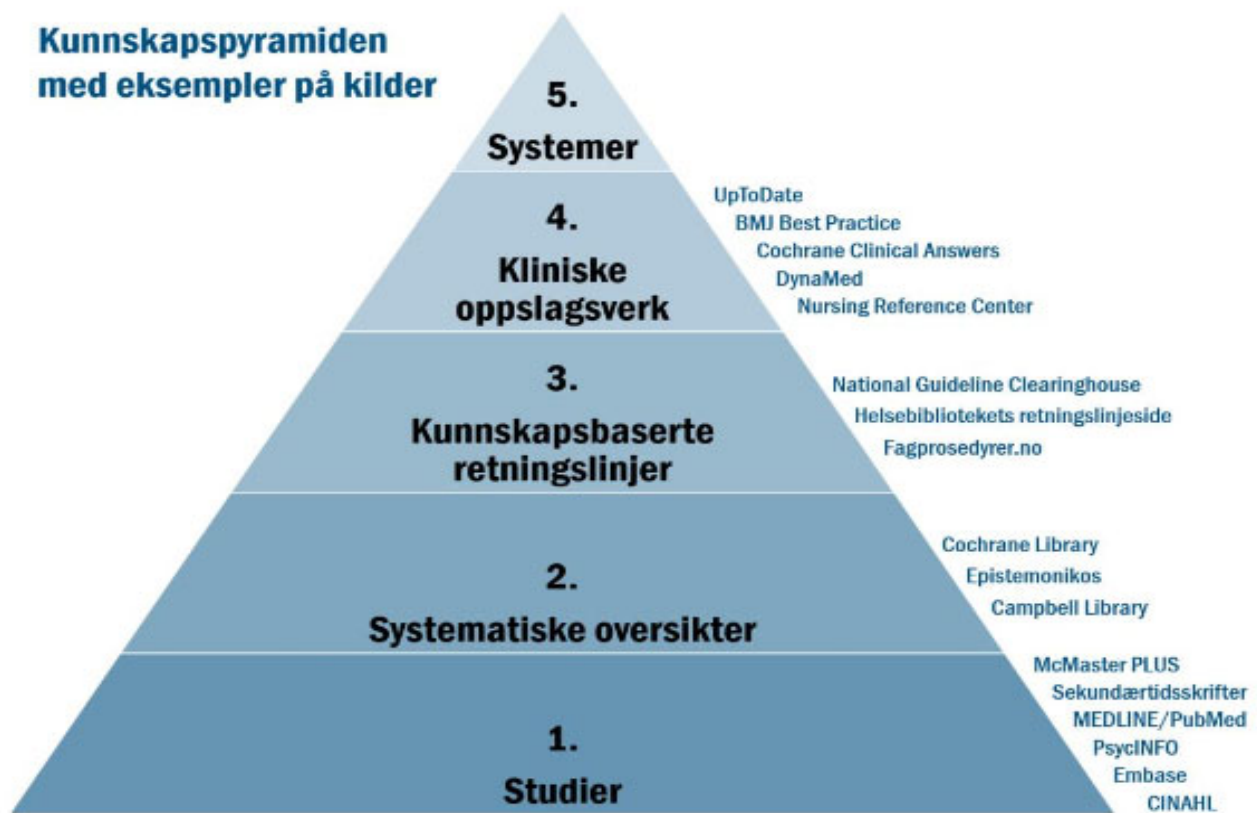
 PlumX Metrics

<https://relis.no/>

Avd. for smittevern, OUS

Kunnskapspyramiden

Kunnskapspyramiden
med eksempler på kilder



Alper BS, Haynes RB. Evidence-Based Medicine 2016;21:123-125.

 kunnskapsbasertpraksis.no



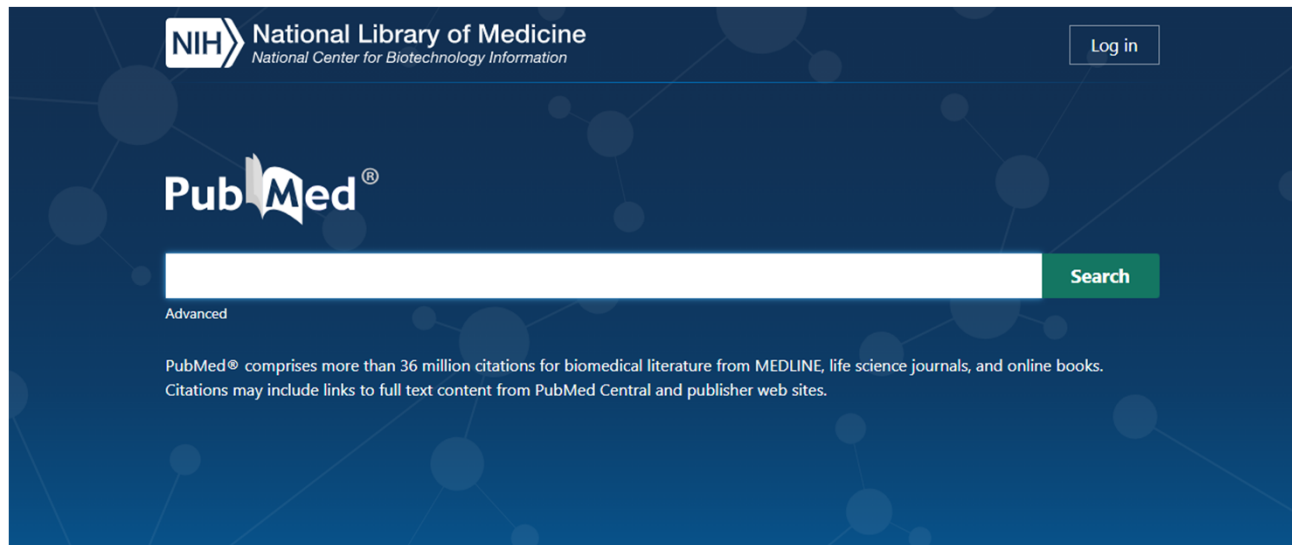
Slik søker ofte jeg-tenkt enkelt!

- Først Google..UpToDate, retningslinjer (eks. CDC) osv.
- Tekstsøk i PubMed med to ord, ser hva jeg får
- Varierer kanskje med to nye ord
- Legger kanskje på filter RCT
- Legger kanskje til søk i tittel/abstract (hvis mange/irrelevante treff)
- Ser på de nyeste/mest relevante artiklene

Smittevern vs. hjerte-kar

- Smittevern
 - Små miljø
 - Ikke alltid fulle stillinger, færre leger
 - Vanskeligere å forske på?
 - Sære tema
 - Vanligvis ikke målbart hos pasienter, mye indirekte og forebyggende arbeid
- Hjerte-kar
 - Store multisenterstudier
 - «Tunge» retningslinjer
 - Status/penger/legemidler
 - Ofte målbart hos pasienten

Bruk biblioteket sin PubMed lenke



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MeSH Database
Journals

<https://pubmed.ncbi.nlm.nih.gov/> + spesifikke tegn fra «ditt» bibliotek

To søkemåter i PubMed

Tekstsøk

- Ligner på «Google» søk
- Vanligst
- Lettest

MeSH-term søk

- Faguttrykk/termer som brukes for å indeksere artikler
- Eks. «Infection control», «Anti-Infective Agents, Local»
- Man må prøve seg frem for å finne aktuelle MeSH-term søk

Et tekstsøk

NIH National Library of Medicine
National Center for Biotechnology Information

Log in

PubMed®

hospital infection

Advanced Create alert Create RSS User Guide

Save Email Send to Sort by: Best match Display options

MY NCBI FILTERS

564,360 results

RESULTS BY YEAR

1887 2024

TEXT AVAILABILITY

☐ Abstract

☐ Full text

☐ Hospital organisation, management, and structure for prevention of health-care-associated infection: a systematic review and expert consensus.

1

Cite Zingg W, Holmes A, Dettenkofer M, Goetting T, Secci F, Clack L, Allegranzi B, Magiorakos AP, Pittet D: systematic review and evidence-based guidance on organization of hospital infection control programmes (SIGHT) study group. Lancet Infect Dis. 2015 Feb;15(2):212-24. doi: 10.1016/S1473-3099(14)70854-0. Epub 2014 Nov 11. PMID: 25467650 Review.

Share We did a systematic review to identify crucial elements for the organisation of effective infection-prevention programmes in hospitals and key components for implementation of monitoring. 92 studies published from 1996 to 2012 were assessed and ten key components identified ...



Noen muligheter

The screenshot shows the PubMed Advanced Search Builder interface. At the top, there is a dark blue header with the NIH logo and text: "National Library of Medicine" and "National Center for Biotechnology Information". A "Log in" button is in the top right. Below the header, the page is titled "PubMed Advanced Search Builder". On the right side, there is a "PubMed" logo and a "User Guide" link. The main area contains a section "Add terms to the query box" with a dropdown menu set to "All Fields", a text input field "Enter a search term", an "ADD" button, and a "Show Index" link. Below this is a "Query box" with a text input field "Enter / edit your search query here" and a "Search" button. At the bottom, there is a "History and Search Details" section with "Download" and "Delete" links. It contains a table with one entry: a search for "hospital infection" resulting in 564,360 results. Blue arrows point from the text "Noen muligheter" to the "Log in" button, the "User Guide" link, and the "Details" column header in the history table.

NIH National Library of Medicine
National Center for Biotechnology Information

Log in

PubMed Advanced Search Builder

PubMed®
User Guide

Add terms to the query box

All Fields Enter a search term ADD Show Index

Query box

Enter / edit your search query here Search

History and Search Details Download Delete

Search	Actions	Details	Query	Results	Time
#1	...	>	Search: hospital infection	564,360	03:25:11

Showing 1 to 1 of 1 entries

Fortsettelse følger



Hva søkte PubMed etter?

History and Search Details Download Delete

Search	Actions	Details	Query	Results	Time
#1	...	▼	<p>Search: hospital infection</p> <p><u>"cross infection"[MeSH Terms]</u> OR ("cross"[All Fields] AND "infection"[All Fields]) OR "cross infection"[All Fields] OR ("hospital"[All Fields] AND "infection"[All Fields]) OR "hospital infection"[All Fields]</p> <p>Translations</p> <p>hospital infection: "cross infection"[MeSH Terms] OR ("cross"[All Fields] AND "infection"[All Fields]) OR "cross infection"[All Fields] OR ("hospital"[All Fields] AND "infection"[All Fields]) OR "hospital infection"[All Fields]</p>	564,360	03:25:11

Showing 1 to 1 of 1 entries

Search	Actions	Details	Query	Results	Time
#2	...	>	Search: <u>"hospital infection"</u>	<u>3,652</u>	03:31:05



MeSH-termin Cross infection

Cross Infection

Any infection which a patient contracts in a health-care institution.

Year introduced: HOSPITAL INFECTIONS was see under CROSS INFECTION 1971-1978, was see CROSS INFECTIONS 1963-1970

Tree Number(s): C01.248, C23.550.291.875.500

MeSH Unique ID: D003428

Entry Terms:

- Infection, Cross
- Cross Infections
- Infections, Cross
- Healthcare Associated Infections
- Healthcare Associated Infection
- Infection, Healthcare Associated
- Infections, Healthcare Associated
- Health Care Associated Infection
- Health Care Associated Infections
- Infections, Hospital
- Hospital Infection
- Infection, Hospital
- Infections, Nosocomial
- Infection, Nosocomial
- Nosocomial Infection
- Nosocomial Infections
- Hospital Infections

🔍 hospital infection (1)

MeSH

[See more...](#)

"cross infection"[MeSH Terms] OR
hospital infection[Text Word]

Search

[See more...](#)

Begrense søket, søk i tittel/abstract

PubMed Advanced Search Builder

PublMed®
User Guide

Add terms to the query box

All Fields

- Issue
- Journal
- Language
- Location ID
- MeSH Major Topic
- MeSH Subheading
- MeSH Terms
- Other Term
- Pagination
- Pharmacological Action
- Publication Type
- Publisher
- Secondary Source ID
- Subject - Personal Name
- Supplementary Concept
- Text Word
- Title
- Title/Abstract
- Transliterated Title
- Volume

Enter a search term

ADD

Show Index


Search

Download Delete

Query	Results	Time
Search: "hospital infection"	3,652	03:31:05
Search: hospital infection	564,360	03:25:11
Search: "cross infection"[MeSH Terms] OR ("cross"[All Fields] AND "infection"[All Fields]) OR "cross infection"[All Fields] OR ("hospital"[All Fields] AND		



Treff ved søk i tittel/abstract



×

Search

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Save


Email

Send to

Sort by:

Best match

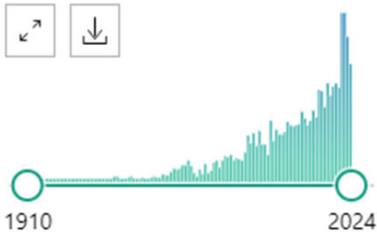
Display options 

MY NCBI FILTERS 

2,407 results

Page 1 of 241

RESULTS BY YEAR



1910 2024

TEXT AVAILABILITY

☐ Abstract

☐ **Journal of Hospital Infection** moves to Article-Based Publishing.

1 Fears C, Mahida N, Oppenheim B, Lynch C, Gray J.

Cite J Hosp Infect. 2020 May;105(1):A1. doi: 10.1016/j.jhin.2020.04.039.

PMID: 32386677 No abstract available.

Share

☐ **Hospital infection** control.

2 Dawson S.


Cite BMJ. 2002 Oct 19;325(7369):S121. doi: 10.1136/bmj.325.7369.s121a.

PMID: 12386057 **Free PMC article.** No abstract available.

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Tillegg av filter, RCT



×

Search

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Save

Email

Send to

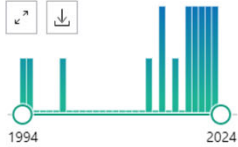
Sort by:

Best match

Display options

MY NCBI FILTERS

RESULTS BY YEAR



19942024

TEXT AVAILABILITY

☐ Abstract

☐ Free full text

☐ Full text

ARTICLE ATTRIBUTE

☐ Associated data

ARTICLE TYPE

☐ Books and Documents

☐ Clinical Trial

☐ Meta-Analysis

☒ Randomized Controlled Trial

14 results

1 of 2

☒ Filters applied: Randomized Controlled Trial. [Clear all](#)

☐ 1

Plan-Do-Check-Action Circulation Combined with Accelerated Rehabilitation Nursing under Computed Tomography in Prevention and Control of **Hospital Infection** in Elderly Patients Undergoing Elective Orthopedic Surgery.

Cite

Share

Zhao L, Hu L, Li Z, Deng F.

Contrast Media Mol Imaging. 2022 Apr 25;2022:4574730. doi: 10.1155/2022/4574730. eCollection 2022. PMID: 35548404 [Free PMC article](#). Clinical Trial.

To explore the adoption of plan-do-check-action (PDCA) circulation combined with accelerated rehabilitation nursing based on gemstone spectral imaging computed tomography (GSCT) in the prevention and control of **hospital infection** in the elderly patients undergoing ...

☐ 2

Direct Gloving vs Hand Hygiene Before Donning Gloves in Adherence to **Hospital Infection** Control Practices: A Cluster Randomized Clinical Trial.

Cite

Share

Thom KA, Rock C, Robinson GL, Reisinger HS, Baloh J, Li S, Diekema DJ, Herwaldt LA, Johnson JK, Harris AD, Perencevich EN.

JAMA Netw Open. 2023 Oct 2;6(10):e2336758. doi: 10.1001/jamanetworkopen.2023.36758. PMID: 37883088 [Free PMC article](#). Clinical Trial.

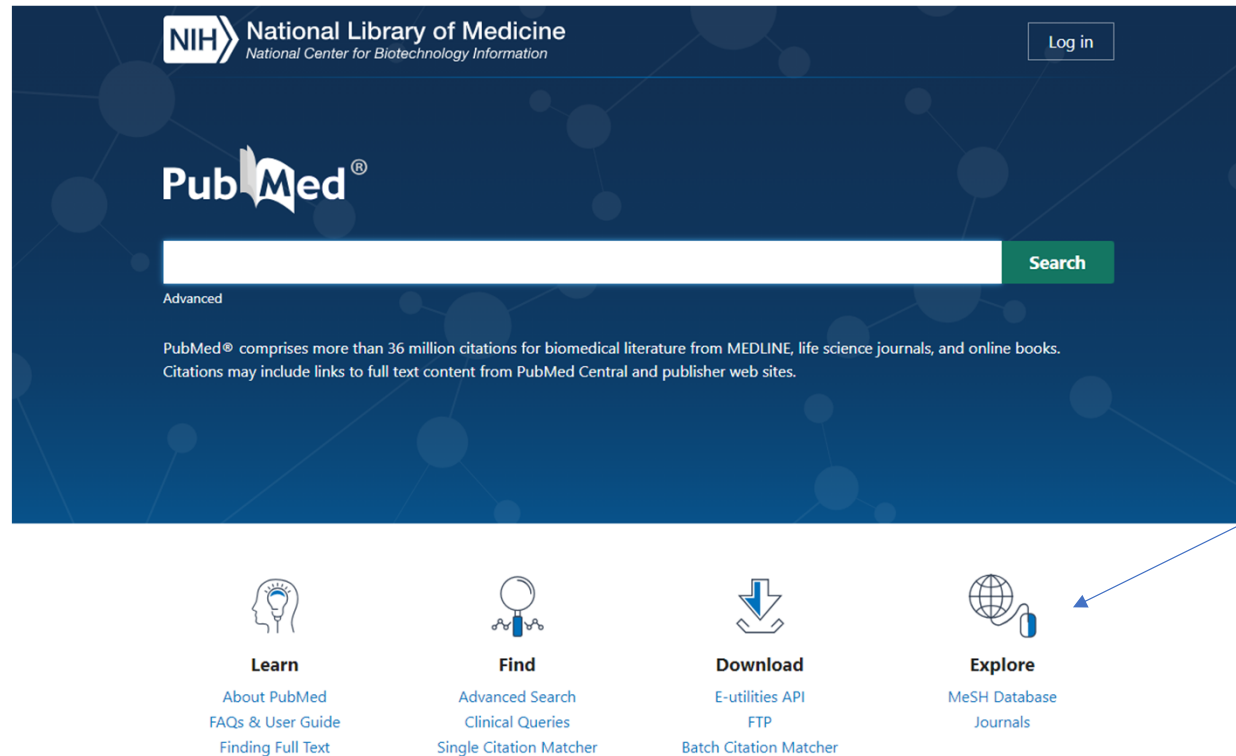
OBJECTIVE: To evaluate the effectiveness of a direct-gloving policy on adherence to **infection** prevention practices in a **hospital** setting. DESIGN, SETTING, AND PARTICIPANTS: This mixed-method, multicenter, cluster randomized clinical trial was conducted at 4 academic ...

☐ 3

Influence of a combination of probiotics on bacterial infections in very low birthweight newborns.




MeSH-term database



MeSH (Medical Subject Headings) is the NLM controlled vocabulary thesaurus used for indexing articles for PubMed.

<https://www.ncbi.nlm.nih.gov/mesh/>

Mesh-term søk

 **National Library of Medicine**
National Center for Biotechnology Information

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MeSH

Create alert Limits Advanced Help

Full ▾

Send to: ▾

Cross Infection
Any infection which a patient contracts in a health-care institution.
Year introduced: HOSPITAL INFECTIONS was see under CROSS INFECTION 1971-1978, was see CROSS INFECTIONS 1963-1970
PubMed search builder options
[Subheadings:](#)

<input type="checkbox"/> blood	<input type="checkbox"/> enzymology	<input type="checkbox"/> pathology
<input type="checkbox"/> cerebrospinal fluid	<input type="checkbox"/> epidemiology	<input type="checkbox"/> physiopathology
<input type="checkbox"/> chemically induced	<input type="checkbox"/> ethnology	<input type="checkbox"/> prevention and control
<input type="checkbox"/> classification	<input type="checkbox"/> etiology	<input type="checkbox"/> psychology
<input type="checkbox"/> complications	<input type="checkbox"/> genetics	<input type="checkbox"/> radiotherapy
<input type="checkbox"/> congenital	<input type="checkbox"/> history	<input type="checkbox"/> rehabilitation
<input type="checkbox"/> diagnosis	<input type="checkbox"/> immunology	<input type="checkbox"/> surgery
<input type="checkbox"/> diagnostic imaging	<input type="checkbox"/> metabolism	<input type="checkbox"/> therapy
<input type="checkbox"/> diet therapy	<input type="checkbox"/> microbiology	<input type="checkbox"/> transmission
<input type="checkbox"/> drug therapy	<input type="checkbox"/> mortality	<input type="checkbox"/> urine
<input type="checkbox"/> economics	<input type="checkbox"/> nursing	<input type="checkbox"/> veterinary
<input type="checkbox"/> embryology	<input type="checkbox"/> parasitology	<input type="checkbox"/> virology

☐ Restrict to MeSH Major Topic.
☐ Do not include MeSH terms found below this term in the MeSH hierarchy.

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[PubMed - Major Topic](#)


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[NLM MeSH Browser](#)

[MedGen](#)

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 Cross Infection

<https://www.ncbi.nlm.nih.gov/mesh/>

MeSH-term søk (lenger nede på siden)

Tree Number(s): C01.248, C23.550.291.875.500

MeSH Unique ID: D003428

Entry Terms:

- Infection, Cross
- Cross Infections
- Infections, Cross
- Healthcare Associated Infections
- Healthcare Associated Infection
- Infection, Healthcare Associated
- Infections, Healthcare Associated
- Health Care Associated Infection
- Health Care Associated Infections
- Infections, Hospital
- Hospital Infection
- Infection, Hospital
- Infections, Nosocomial
- Infection, Nosocomial
- Nosocomial Infection
- Nosocomial Infections
- Hospital Infections

Q hospital infection (1)

MeSH


[See more...](#)

"cross infection"[MeSH Terms] OR
hospital infection[Text Word]


Search

[See more...](#)

MeSH-term søk med «Cross Infection»

 **National Library of Medicine**
National Center for Biotechnology Information

Log in



"Cross Infection"[Mesh]

Search

Advanced Create alert Create RSS User Guide

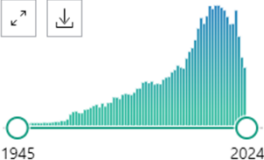
Save Email Send to Sort by: Most recent Display options

MY NCBI FILTERS

65,408 results

Page 1 of 6,541

RESULTS BY YEAR



1945 2024

TEXT AVAILABILITY

☐ Abstract

☐ Free full text

☐ Full text

ARTICLE ATTRIBUTE

☐ Management of Ventilator-Associated Pneumonia: Guidelines.

1 Metersky ML, Kalil AC.

Cite Infect Dis Clin North Am. 2024 Mar;38(1):87-101. doi: 10.1016/j.idc.2023.12.004.

PMID: 38280768 Review.

Share

☐ The Role of Biomarkers in the Diagnosis and Management of Pneumonia.

2 Sungurlu S, Balk RA.

Cite Infect Dis Clin North Am. 2024 Mar;38(1):35-49. doi: 10.1016/j.idc.2023.12.005.

PMID: 38280766 Review.

Share

☐ Infectious Pulmonary Diseases.

3 Rafeq R, Igneri LA.

Cite Infect Dis Clin North Am. 2024 Mar;38(1):1-17. doi: 10.1016/j.idc.2023.12.006.

PMID: 38280758 Review.

Share

En annen MeSH-term

Clostridioides difficile

A common inhabitant of the colon flora in human infants and sometimes in adults. The type species *Clostridioides difficile* is formerly known as *Clostridium difficile*. It is a causative agent for CLOSTRIDIoidES INFECTIONS and is associated with PSEUDOMEMBRANOUS ENTEROCOLITIS in patients receiving antibiotic therapy.

Year introduced: 2021(1991)

- *Clostridium difficile*

Previous Indexing:

- [Clostridium \(1976-1990\)](#)

See Also:

- [Enterocolitis, Pseudomembranous](#)

[All MeSH Categories](#)

[Organisms Category](#)

[Bacteria](#)

[Firmicutes](#)

[Clostridiales](#)

[Clostridioides](#)

Clostridioides difficile

<https://www.ncbi.nlm.nih.gov/mesh/>



En tilfeldig artikkel, scroller nedover

Clinical Trial > N Engl J Med. 2017 Jan 26;376(4):305-317. doi: 10.1056/NEJMoa1602615.

Bezlotoxumab for Prevention of Recurrent Clostridium difficile Infection

Mark H Wilcox¹, Dale N Gerding¹, Ian R Poxton¹, Ciaran Kelly¹, Richard Nathan¹, Thomas Birch¹, Oliver A Cornely¹, Galia Rahav¹, Emilio Bouza¹, Christine Lee¹, Grant Jenkin¹, Werner Jensen¹, You-Sun Kim¹, Junichi Yoshida¹, Lori Gabryelski¹, Alison Pedley¹, Karen Eves¹, Robert Tipping¹, Dalya Guris¹, Nicholas Kartsonis¹, Mary-Beth Dorr¹, MODIFY I and MODIFY II Investigators

Collaborators, Affiliations + expand

PMID: 28121498 DOI: 10.1056/NEJMoa1602615

Free article

Abstract

Background: Clostridium difficile is the most common cause of infectious diarrhea in hospitalized patients. Recurrences are common after antibiotic therapy. Actoxumab and bezlotoxumab are human monoclonal antibodies against C. difficile toxins A and B, respectively.

Methods: We conducted two double-blind, randomized, placebo-controlled, phase 3 trials, MODIFY I and MODIFY II, involving 2655 adults receiving oral standard-of-care antibiotics for primary or

FULL TEXT LINKS



ACTIONS



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PAGE NAVIGATION

< Title & authors

Abstract

<https://pubmed.ncbi.nlm.nih.gov/28121498/>



Mye informasjon om artikkelen

Comment in

[Bezlotoxumab - A New Agent for Clostridium difficile Infection.](#)

Bartlett JG.

N Engl J Med. 2017 Jan 26;376(4):381-382. doi: 10.1056/NEJMe1614726.

PMID: 28121509 No abstract available.

Similar articles

[The effect of bezlotoxumab for prevention of recurrent Clostridium difficile infection \(CDI\) in Japanese patients.](#)

Mikamo H, Aoyama N, Sawata M, Fujimoto G, Dorr MB, Yoshinari T.

J Infect Chemother. 2018 Feb;24(2):123-129. doi: 10.1016/j.jiac.2017.10.005. Epub 2017 Oct 31.

Cited by 165 articles

[Protecting intubated patients from the threat of antimicrobial resistant infections with monoclonal antibodies.](#)

Baker S, Kellam P, Krishna A, Reece S.

Lancet Microbe. 2020 Sep;1(5):e191-e192. doi: 10.1016/S2666-5247(20)30126-9. Epub 2020 Sep 7.

Publication types

- > Clinical Trial, Phase III
- > Multicenter Study
- > Randomized Controlled Trial
- > Research Support, Non-U.S. Gov't

MeSH terms

- > Adolescent
- > Adult
- > Aged
- > Aged, 80 and over
- > Anti-Bacterial Agents / therapeutic use
- > Antibodies, Monoclonal / adverse effects
- > Antibodies, Monoclonal / therapeutic use*
- > Antibodies, Neutralizing / adverse effects
- > Antibodies, Neutralizing / therapeutic use*
- > Broadly Neutralizing Antibodies
- > Clostridioides difficile*
- > Clostridium Infections / prevention & control*
- > Double-Blind Method

Associated data

- > ClinicalTrials.gov/NCT01241552
- > ClinicalTrials.gov/NCT01513239



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Absolutely Maybe



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8 PubMed Ninja Skills

November 30, 2015 / [Hilda Bastian](#) / [Listicles](#)



<https://absolutemaybe.plos.org/2015/11/30/8-pubmed-ninja-skills/>

Fyr løs med søk 😊

Take home message: Tenkt enkelt

- Først Google..UpToDate, retningslinjer (eks. CDC) osv.
- Tekstsøk i PubMed med to ord, ser hva jeg får
- Varierer kanskje med to nye ord
- Legger kanskje på filter RCT
- Legger kanskje til søk i tittel/abstract (hvis mange/irrelevante treff)
- Ser på de nyeste/mest relevante artiklene
- Vurdere artikler: En annen gang 😊

