

S2. RECURRENT ACUTE OTITIS MEDIA (RAOM)

Antibiotic prophylaxis

Question 9: Is antibiotic prophylaxis effective in reducing the recurrence of episodes in children with RAOM?

PICOs

P: In children with RAOM

I: is medium to long-term antibiotic prophylaxis

C: compared with antibiotic treatment of single episodes alone

O: more effective in reducing the recurrence of episodes?

KEYWORDS

Population

- A. 0-18 years old
- B. infant, child, adolescent

A. Exposure factors/Comparison

- B. Anti-bacterial agents
- C. Antibiotic prophylaxis
- D. Prophylactic antibiotics
- E. Antimicrobial prophylaxis
- F. Amoxicillin
- G. Amoxicillin potassium clavulanate
- H. Penicillin
- I. Benzylpenicillin
- J. Cephalosporins
- K. Macrolides
- L. Cefuroxime
- M. Erythromycin
- N. Azithromycin
- O. Clarithromycin
- P. Sulfamethoxazole drug combination
- Q. Trimethoprim

Outcomes

- A. otitis media
- B. acute otitis media
- C. recurrent acute otitis media
- D. middle ear effusion
- E. middle ear inflammation
- F. middle ear infection
- G. otitis media with effusion
- H. glue ear

- I. otorrhea
- J. earache
- K. ear pain
- L. adverse effects

Guidelines search

Time interval: 2017-2022

UPTODATE <https://www.uptodate.com/home>

Society Guideline Links

SNLG <https://snlg.iss.it/>

National Guideline Centre (NGC) - National Institute of Health and Care Excellence (NICE)
<https://www.rcplondon.ac.uk/about-us/what-we-do/national-guideline-centre-ngc>

Australian Clinical Practice Guidelines (ACPG) <https://www.clinicalguidelines.gov.au/>

MJA (Medical Journal of Australia) Clinical Guidelines <https://www.mja.com.au/journal/guidelines>

Canadians Medical Association (CMA) <https://www.cma.ca/clinicalresources/practiceguidelines>

G-I-N Guidelines International Network <https://g-i-n.net/>

New Zealand Guidelines Group (NZGG) <https://www.health.govt.nz/about-ministry/ministry-health-websites/new-zealand-guidelines-group>

Scottish Intercollegiate Guidelines Network (SIGN) <https://www.sign.ac.uk/our-guidelines.html>

Guidelines Central <https://www.guidelinecentral.com/>

Società Italiana di Pediatria (SIP) <http://www-sip.it/>

Società Italiana di Pediatria Preventiva e Sociale (SIPPS) <https://www.sipps.it/>

American Academy of Pediatrics (AAP) <https://www.aap.org/en-us/Pages/Default.aspx>

European Paediatric Association /Union of National European Paediatric Societies and Associations
 EPA-UNEPSA <http://www.epa-une psa.org/>

PubMed <https://www.ncbi.nlm.nih.gov/pubmed/>

#1

("Otitis Media"[MeSH Terms] OR "acute otitis media"[All Fields] OR ("recurrent acute otitis media"[All Fields] AND ((Practice Guideline[ptyp] OR Guideline[ptyp])) AND "2017/06/30"[PDat] : "2022/06/30"[PDat] AND (allchild[Filter]))

EMBASE

('acute otitis media'/exp OR 'acute otitis media' OR 'recurrent acute otitis media'/exp) AND 'practice guideline'/de AND ([adolescent]/lim OR [child]/lim OR [infant]/lim OR [newborn]/lim OR [preschool]/lim OR [school]/lim) AND [2017-2022]/py

Systematic Review Search

Time interval: 2012-2022

PubMed <https://www.ncbi.nlm.nih.gov/pubmed/>

#1

("recurrent acute otitis media"[All Fields] OR "RAOM"[All Fields] OR ("acute otitis media"[All Fields] AND "recurren*" [All Fields])) AND ((y_10[Filter]) AND (meta-analysis[Filter] OR systematic review[Filter]) AND (all child[Filter]))

EMBASE <https://www.embase.com>

1

((('acute otitis media'/exp OR 'acute otitis media') AND 'recurren*' OR 'recurrent acute otitis media'/exp OR 'raum') AND ([adolescent]/lim OR [child]/lim OR [infant]/lim OR [newborn]/lim OR [preschool]/lim OR [school]/lim) AND ([cochrane review]/lim OR [systematic review]/lim OR [meta analysis]/lim) AND [2012-2022]/py

2

'acute otitis media'/exp AND ([systematic review]/lim OR [meta analysis]/lim) AND [2012-2022]/py AND ([cochrane review]/lim OR [systematic review]/lim OR [meta analysis]/lim)

Studies search

Time interval: none

PubMed <https://www.ncbi.nlm.nih.gov/pubmed/>

1

((("recurrent acute otitis media"[All Fields] OR "RAOM"[All Fields]) AND ("Antibiotic Prophylaxis"[MeSH Terms] OR "Anti-Bacterial Agents"[MeSH Terms])) OR "prophylactic antibiotics"[All Fields] OR "antimicrobial prophylaxis"[All Fields]) AND ((controlledclinicaltrial[Filter] OR randomizedcontrolledtrial[Filter]) AND (allchild[Filter]))

2

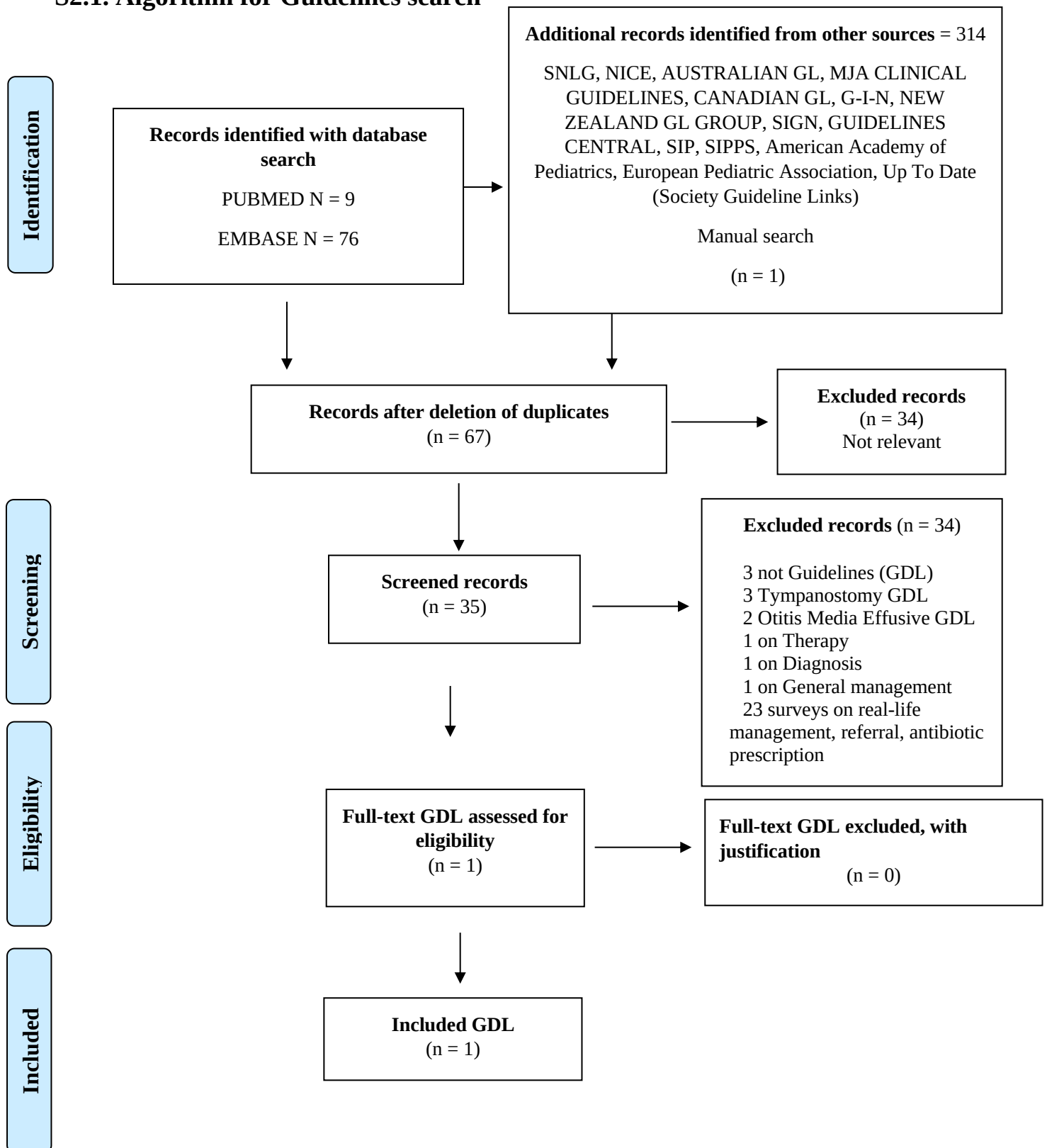
("recurrent acute otitis media"[All Fields] OR ("acute otitis media"[All Fields] AND "recurren*"[All Fields])) AND (Therapy/Narrow[filter]) Filters: Controlled Clinical Trial, Randomized Controlled Trial, Child: birth-18 years

EMBASE <https://www.embase.com>

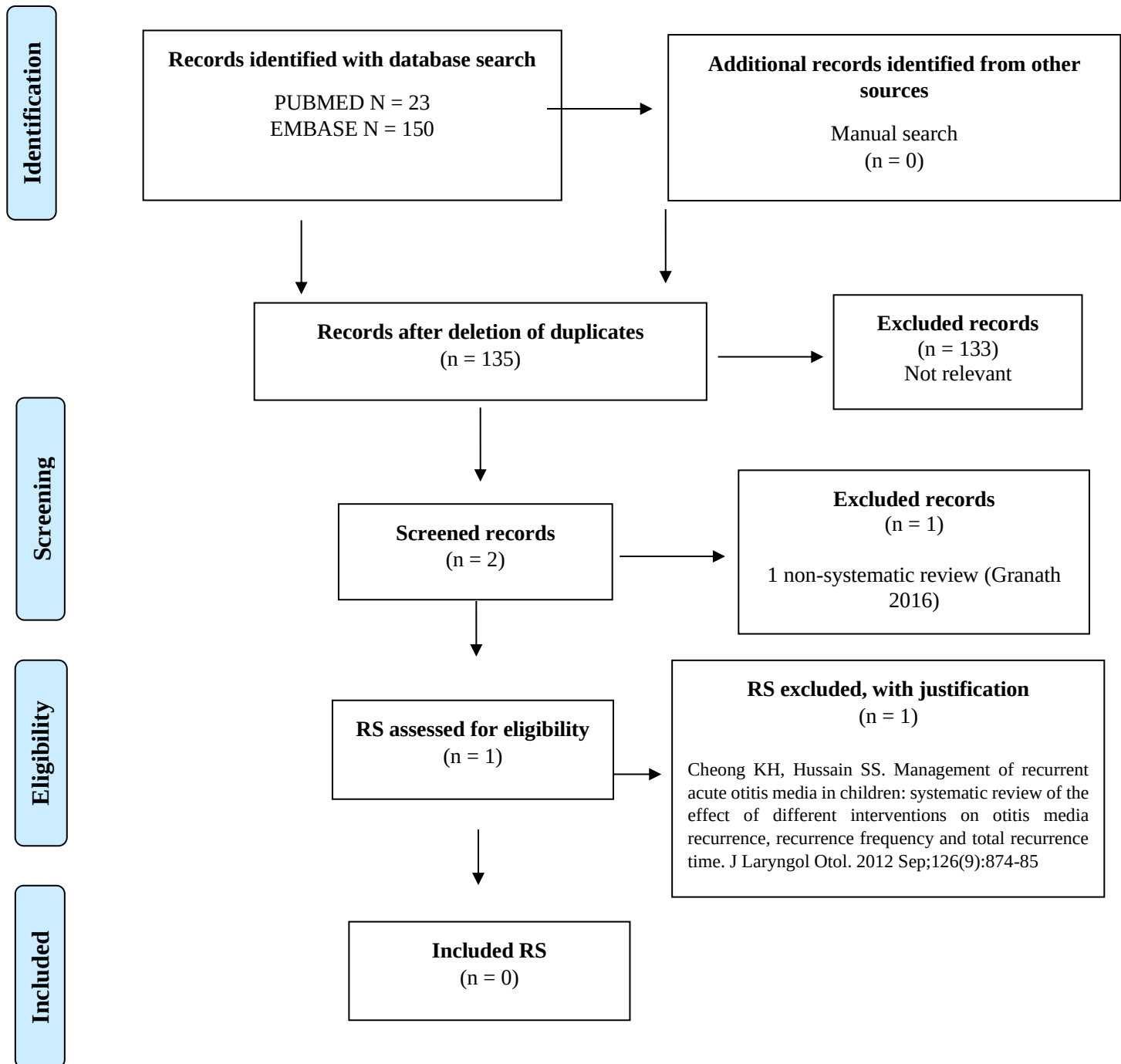
1

('acute otitis media'/exp OR 'acute otitis media') AND 'recurren*' OR 'recurrent acute otitis media'/exp OR 'raom') AND ('antibiotic agent'/exp OR 'antibiotic therapy'/exp OR 'antibiotic prophylaxis'/exp) AND ('controlled clinical trial'/de OR 'controlled study'/de OR 'randomized controlled trial'/de) AND ([adolescent]/lim OR [child]/lim OR [infant]/lim OR [newborn]/lim OR [preschool]/lim OR [school]/lim)

S2.1. Algorithm for Guidelines search



S2.2. Algorithm for Systematic Review (SR) search



S2.3. Algorithm for Studies search

