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10-2017

Intermittent straight urinary catheterization in children with neurogenic bladder: Summary

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Office of Evidence Based Practice (EBP) – Specific Care Question: Should a child with neurogenic bladder with a positive urinary analysis and/or culture receive antibiotic therapy?

Specific Care Question:

In a child with a neurogenic bladder who performs intermittent self-catheterizations and is asymptomatic of a urinary tract infection do they need a routine UA with reflex culture to minimize inappropriate antibiotic use?

Question Originator:

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Clinical Bottom Line:

No evidence was found to answer the question. This identifies a gap in what we know. Projects designed to answer the question are needed.

EBP Scholar’s responsible for analyzing the literature:

N. Allen, MS, MLS, RD, LD

Search Strategy and Results:

Search: ("Intermittent Urethral Catheterization"[Mesh] OR Intermittent Self-Catheterization) AND ("urine culture" OR urinalysis[tw] OR "Urinalysis"[Mesh] OR "Urinary Tract Infections"[MAJR]); 70 results; 24 identified for closer review; 2 articles were duplicates, 23 articles review, 0 articles answered the question.

Studies included in this review: none

Studies not included in this review with exclusion rationale:

First Author	Year	Reason for exclusion
Bakke & Digranes	1996	Reported in Norwegian language only
Biardeau & Corcos	2016	Narrative Review
Bonniaud et al.	2008	Reported in French language only
Duffy & Smith	1982	Does not answer the question
Goetz & Klausner	2014	Narrative Review
Hiyama et al.	2015	Does not answer the question
Krebs, Wollner, & Pannek	2016	Does not answer the question
Lapides, Diokno, Silber, & Lowe	1972	Article dated
Lapides, Diokno, Lowe, & Kalish	1973	Article dated
Lapides	1979	Narrative Review
McKibben, Seed, Ross, & Borawski	2015	Narrative Review
Merritt, Erickson, & Opitz	1982	Does not answer the question
Moore, Kelm, Sinclair, & Cadrain	1993	Does not answer the question
Orikasa et al.	1991	Reported in Japanese language only
Perkash & Giroux	1985	Narrative Review



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Prieto, Murphy, Moore, & Fader	2014	Does not answer the question
Prieto, Murphy, Moore, & Fader	2015	Does not answer the question
Sutkin, Lowder, & Smith	2009	Does not answer the question
van Gool, de Jong, & Boemers	1991	Reported in German language only
Wyndaele	2002	Narrative Review
Wyndaele et al.	2012	Does not answer the question
Zegers et al.	2011	Does not answer the question
Zegers et al.	2012	Does not answer the question

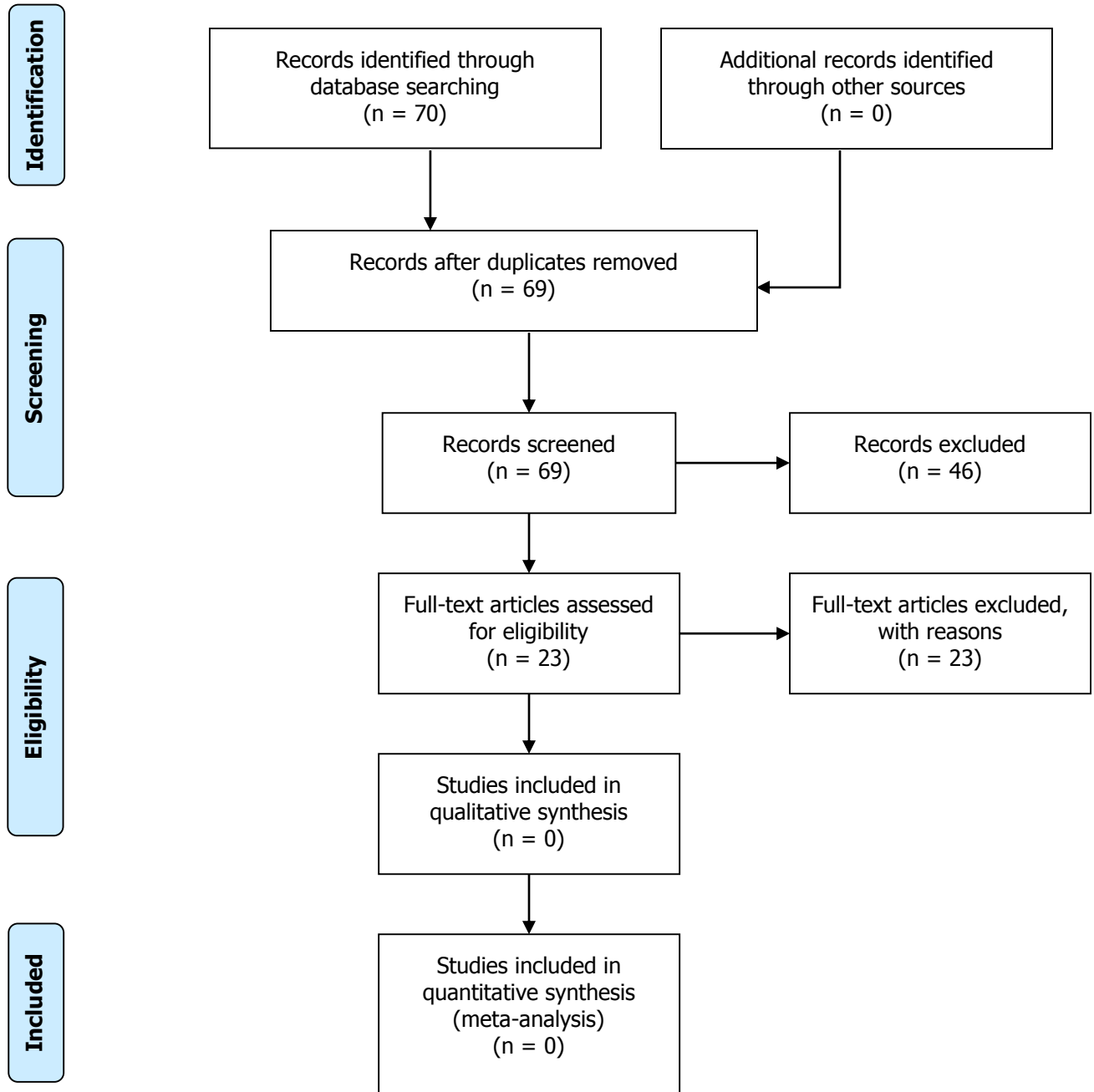
Method Used for Appraisal and Synthesis:

Appraisal and synthesis was not needed as none of the literature answered the question.

Date Developed: 10/11/2017

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Figure 1. Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA)^b



^bMoher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009). Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. PLoS Med 6(7): e1000097. doi:10.1371/journal.pmed1000097
For more information, visit www.prisma-statement.org.

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