Quality assessment Inconsiste Indirectne Imprecision Other considerati   No Design Risk of ncy Indirectne ss Imprecision Other considerati								No of patients Continuo Antib us oral iotics		Effect b Relati Absol s ve ute		
studi es		bias				ons	Cephalex in, antibiotic prophyla xis	as requi red	(95% CI)		Quality	Importanc e
Numb	er of childre	n from w	hom S aureus	isolated at	least once (fol	low-up mean 1	years; asse	ssed wit	h: Respi	ratory cu	Itures)	
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>1</sup>	no serious inconsisten cy	no serious indirectne ss	no serious imprecision	none	11/75 (14.7%)	36/77 (46.8 %)	RR 0.31 (0.17 to 0.57)	323 fewer per 1000 (from 201 fewer	MODERAT E	IMPORTAN T

## Table 29: Clinical evidence profile: Comparison 2. Continuous oral Cephalexin versus antibiotics 'as required'

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Quality No of studi es	y assessmei Design	nt Risk of bias	Inconsiste ncy	Indirectne ss	Imprecision	Other considerati ons	No of patie Continuo us oral Cephalex in, antibiotic prophyla xis	nts Antib iotics as requi red	Effect Relati ve (95% Cl)	Absol ute	Quality	Importanc e
										fewer)		
Numbe	er of childre	n from w	hom S aureus	isolated at lo	east once (foll	ow-up mean 2	years; asses	sed with	n: Respir	atory cul	tures)	
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>2</sup>	no serious inconsisten cy	no serious indirectne ss	no serious imprecision	none	19/87 (21.8%)	52/79 (65.8 %)	RR 0.33 (0.22 to 0.51)	441 fewer per 1000 (from 323 fewer to 513 fewer)	MODERAT E	IMPORTAN T
Numbe	er of childre	n from w	hom S aureus	isolated at lo	east once (foll	ow-up mean 3 y	years; asses	sed with	n: Respir	atory cult	tures)	
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>3</sup>	no serious inconsisten cy	no serious indirectne ss	no serious imprecision	none	25/77 (32.5%)	44/64 (68.8 %)	RR 0.42 (0.29 to 0.59)	399 fewer per 1000 (from 282 fewer to 488 fewer)	MODERAT E	IMPORTAN T
Numbe	er of childre	n from w	hom S aureus	isolated at l	east once (foll	ow-up mean 4 y	years; asses	sed with	n: Respir	atory cul	tures)	
1 (Stut man	randomis ed trials	seriou s <sup>4</sup>	no serious inconsisten cy	no serious indirectne ss	no serious imprecision	none	25/71 (35.2%)	47/56 (83.9 %)	RR 0.42 (0.3 to 0.59)	487 fewer per 1000 (from	MODERAT E	IMPORTAN T

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Quality No of studi es	/ assessmei Design	nt Risk of bias	Inconsiste ncy	Indirectne ss	Imprecision	Other considerati ons	No of patie Continuo us oral Cephalex in, antibiotic prophyla xis	nts Antib iotics as requi red	Effect Relati ve (95% CI)	Absol ute	Quality	Importanc e
2002 )										344 fewer to 587 fewer)		
Numbe	er of childre	n from w	hom S aureus	isolated at l	east once (foll	ow-up mean 5 y	years; asses	sed with	n: Respir	atory cul	tures)	
1 (Stut man 2002 )	randomis ed trials	very seriou s <sup>5</sup>	no serious inconsisten cy	no serious indirectne ss	no serious imprecision	none	20/58 (34.5%)	34/40 (85%)	RR 0.41 (0.28 to 0.59)	502 fewer per 1000 (from 349 fewer to 612 fewer)	LOW	IMPORTAN T
Numbe	er of childre	n from w	hom <i>S aureus</i>	isolated at l	east once (foll	ow-up mean 6	years; asses	sed with	: Respir	atory cul	tures)	
1 (Stut man 2002 )	randomis ed trials	very seriou s <sup>6</sup>	no serious inconsisten cy	no serious indirectne ss	no serious imprecision	none	7/25 (28%)	14/18 (77.8 %)	RR 0.36 (0.18 to 0.71)	498 fewer per 1000 (from 226 fewer to 638 fewer)	LOW	IMPORTAN T

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Quality No of studi es	y assessmei Design	nt Risk of bias	Inconsiste ncy	Indirectne ss	Imprecision	Other considerati ons	No of patie Continuo us oral Cephalex in, antibiotic prophyla xis	nts Antib iotics as requi red	Effect Relati ve (95% CI)	Absol ute	Quality	Importanc e
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>7</sup>	no serious inconsisten cy	no serious indirectne ss	very serious <sup>8</sup>	none	68	51	-	MD 2.3 lower (13.59 lower to 8.99 higher)	VERY LOW	IMPORTAN T
Any p	ulmonary ex	acerbatio	ons (follow-up	mean 6 year	s; measured v	vith: %; Better	indicated by	lower va	alues)			
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>7</sup>	no serious inconsisten cy	no serious indirectne ss	very serious <sup>9</sup>	none	68	51	-	MD 4.9 lower (22.24 lower to 12.44 higher)	VERY LOW	CRITICAL
Numb	er of childre	n requiri	ng admission	due to pulmo	onary exacerba	ations (annualis	sed rates) (fo	ollow-up	mean 6	years; as	sessed with:	not
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>7</sup>	no serious inconsisten cy	no serious indirectne ss	very serious <sup>9</sup>	none	5/68 (7.4%)	4/51 (7.8% )	RR 0.94 (0.26 to 3.32)	5 fewer per 1000 (from 58 fewer to 182 more)	VERY LOW	CRITICAL
Adher	ence to treat	tment (fo	llow-up mean	6 years; mea	asured with: Pa	arents self-repo	ort; Better in	dicated	by highe	r values)		

Quality No of studi es	y assessme Design	nt Risk of bias	Inconsiste ncy	Indirectne ss	Imprecision	Other considerati ons	No of patie Continuo us oral Cephalex in, antibiotic prophyla xis	nts Antib iotics as requi red	Effect Relati ve (95% CI)	Absol ute	Quality	Importanc e
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>7</sup>	no serious inconsisten cy	no serious indirectne ss	Not calculable <sup>10</sup>	none	68	51	-	MD 5 higher (0 to 0 higher)	MODERAT E	IMPORTAN T
Minor	adverse eve	ents - gen	eralised rash	(follow-up m	ean 6 years; m	neasured with:	Parents self	-report;	Better in	dicated b	y lower value	es)
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>7</sup>	no serious inconsisten cy	no serious indirectne ss	no serious imprecision	none	68	51	-	MD 0.4 higher (0.07 lower to 0.87 higher)	MODERAT E	IMPORTAN T
Minor	adverse eve	ents - nap	py rash (follo	w-up mean 6	years; measu	red with: Paren	its self-repoi	t; Bettei	r indicate	d by low	er values)	
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>7</sup>	no serious inconsisten cy	no serious indirectne ss	no serious imprecision	none	68	51	-	MD 0.9 higher (1.06 lower to 2.86 higher)	MODERAT E	IMPORTAN T
Minor	adverse eve	ents - inci	reased stool fi	requency (fol	low-up mean (	6 years; measu	red with: Pa	rents se	lf-report;	Better in	dicated by lo	wer values)
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>7</sup>	no serious inconsisten cy	no serious indirectne ss	no serious imprecision	none	68	51	-	MD 0.2 higher (2.18 lower	MODERAT E	IMPORTAN T

Quality No of studi es	y assessme Design	nt Risk of bias	Inconsiste ncy	Indirectne ss	Imprecision	Other considerati ons	No of patie Continuo us oral Cephalex in, antibiotic prophyla xis	nts Antib iotics as requi red	Effect Relati ve (95% CI)	Absol ute	Quality	Importanc e
Number	or of obildre	n from	hom Deerwei	ange identifie	d at lacat area					higher)		
1 (Stut man 2002 )	randomis ed trials	seriou s <sup>1</sup>	nom <i>P aerugii</i> no serious inconsisten cy	no serious indirectne ss	ed at least onc very serious <sup>9</sup>	none	27/75 (36%)	24/77 (31.2 %)	RR 1.15 (0.74 to 1.81)	47 more per 1000 (from 81 fewer to 252 more)	VERY LOW	CRITICAL
Numbe	er of childre	n from w	hom <i>P aerugii</i>	nosa identifie	ed at least onc	e (follow-up me	ean 2 years)					
1 (Stut 2002 )	randomis ed trials	seriou s <sup>2</sup>	no serious inconsisten cy	no serious indirectne ss	serious <sup>11</sup>	none	38/87 (43.7%)	40/79 (50.6 %)	RR 0.86 (0.62 to 1.19)	71 fewer per 1000 (from 192 fewer to 96 more)	LOW	CRITICAL
Numbe	er of childre	n from w	hom <i>P aerugii</i>	nosa identifie	ed at least onc	e (follow-up me	ean 3 years)					
1 (Stut man	randomis ed trials	seriou s <sup>3</sup>	no serious inconsisten cy	no serious indirectne ss	very serious <sup>9</sup>	none	45/77 (58.4%)	38/64 (59.4 %)	RR 0.98 (0.75 to 1.3)	12 fewer per 1000 (from	VERY LOW	CRITICAL

Quality No of studi es	y assessme Design	nt Risk of bias	Inconsiste ncy	Indirectne ss	Imprecision	Other considerati ons	No of patie Continuo us oral Cephalex in, antibiotic prophyla xis	nts Antib iotics as requi red	Effect Relati ve (95% Cl)	Absol ute	Quality	Importanc e
)										fewer to 178 more)		
Numb	er of childre	n from w	hom <i>P aerugii</i>	nosa identifie	ed at least onc	e (follow-up m	ean 4 years)					
1 (Stut man 2002 )	randomis seriou n ed trials s <sup>4</sup> ir c	eriou no serious no seriou <sup>4</sup> inconsisten indirectri cy ss	no serious indirectne ss	s serious <sup>11</sup>	none	46/71 (64.8%)	33/56 (58.9 %)	RR 1.1 (0.83 to 1.45)	59 more per 1000 (from 100 fewer to 265 more)	LOW	CRITICAL	
								58.9 %		59 more per 1000 (from 100 fewer to 265 more)		
Numb	er of childre	n from w	hom <i>P aerugiı</i>	nosa identifie	ed at least onc	e (follow-up m	ean 5 years)					
1 (Stut man	randomis ed trials	very seriou s⁵	no serious inconsisten cy	no serious indirectne ss	serious <sup>11</sup>	none	41/58 (70.7%)	22/40 (55%)	RR 1.29 (0.93	159 more per 1000	VERY LOW	CRITICAL

Qualit No of studi es	y assessme Design	nt Risk of bias	Inconsiste ncy	Indirectne ss	Imprecision	Other considerati ons	No of patie Continuo us oral Cephalex in, antibiotic prophyla xis	nts Antib iotics as requi red	Effect Relati ve (95% CI)	Absol ute	Quality	Importanc e
2002 )									to 1.78)	(from 38 fewer to 429 more)		
Numb	er of childre	n from w	hom <i>P aerugii</i>	nosa identifie	ed at least onc	e (follow-up me	ean 6 years)					
1 (Stut man 2002 )	randomis ed trials	very seriou s <sup>6</sup>	no serious inconsisten cy	no serious indirectne ss	serious <sup>11</sup>	none	22/25 (88%)	12/18 (66.7 %)	RR 1.32 (0.92 to 1.89)	213 more per 1000 (from 53 fewer to 593 more)	VERY LOW	CRITICAL

Abbreviations: CI: confidence interval; FEV1: forced expiratory volume in 1 second; MD: mean difference; RR: risk ratio

1 This study was assessed by the Cochrane review Smyth 2014 as low risk of bias. However, the quality of the evidence was downgraded by 1 for this outcome, as the losses to follow up are over 20% (n=152; N=209).

2 This study was assessed by the Cochrane review Smyth 2014 as low risk of bias. However, the quality of the evidence was downgraded by 1 for this outcome, as the losses to follow up are over 20% (n=166; N=209).

3 This study was assessed by the Cochrane review Smyth 2014 as low risk of bias. However, the quality of the evidence was downgraded by 1 for this outcome, as the losses to follow up are over 20% (n=141; N=209).

4 This study was assessed by the Cochrane review Smyth 2014 as low risk of bias. However, the quality of the evidence was downgraded by 1 for this outcome, as the losses to follow up are over 20% (n=127; N=209).

5 This study was assessed by the Cochrane review Smyth 2014 as low risk of bias. However, the quality of the evidence was downgraded by 2 for this outcome, as the losses to follow up are over 50% (n=98; N=209).

6 This study was assessed by the Cochrane review Smyth 2014 as low risk of bias. However, the quality of the evidence was downgraded by 2 for this outcome, as the losses to follow up are over 50% (n=43; N=209).

7 This study was assessed by the Cochrane review Smyth 2014 as low risk of bias. However, the quality of the evidence was downgraded by 1 for this outcome, as the losses to follow up are over 20% (n=119; N=209).

- 8 The quality of the evidence was downgraded by 2, as the 95% CI crossed 2 clinical MIDs 9 The quality of the evidence was downgraded by 2, as the 95% CI crossed 2 default MIDs 10 Imprecision is not calculable with the data reported
- 11 The quality of the evidence was downgraded by 1, as the 95% CI crossed 1 default MID for dichotomous outcomes