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问题 1: 预防儿童流感, 四价流感疫苗 (**quadrivalent influenza vaccine, QIV**) 是否优于三价流感疫苗 (**trivalent influenza vaccines, TIV**) ?

检索时间: 2023-7-26

Pubmed

- #1. "Child"[Mesh] OR "Infant"[Mesh] OR "Adolescent"[Mesh] OR child[tw] OR children[tw] OR Infant[tw] OR infants[tw] OR infancy[tw] OR baby[tw] OR babies[tw] OR suckling[tw] OR sucklings[tw] OR toddler[tw] OR toddlers[tw] OR childhood[tw] OR schoolchild[tw] OR schoolchildren[tw] OR childcare[tw] OR "child-care"[tw] OR preschool[tw] OR "pre-school"[tw] OR kid[tw] OR kids[tw] OR boy[tw] OR boys[tw] OR girl[tw] OR girls[tw] OR Pediatrics[tw] OR Pediatric[tw] OR Pediatrics[tw] OR Paediatric[tw] OR Paediatrics[tw] OR PICU[tw] OR Adolescen*[tw] OR Teen*[tw] OR Youth*[tw] OR juvenile[tw] OR student*[tw] OR prepubertal*[tw] OR pre-pubertal*[tw] OR puberty[tw] OR pubertal*[tw] OR young*[tw]
- #2. "Influenza Vaccines"[Mesh] OR Flu Vaccine*[tw] OR Influenza Vaccine*[tw] OR Influenzavirus Vaccine*[tw] OR Influenza Virus Vaccine*[tw] OR LAIV Vaccine*[tw]
- #3. #1 AND #2 10264
- #4. Quadrivalent*[tw]
- #5. #3 AND #4 375
- #6. "Meta-Analysis"[pt] OR "Meta-Analysis as Topic"[Mesh] OR "Systematic Review" [pt] OR "Systematic Reviews as Topic"[Mesh] OR "systematic"[Filter] OR "Systematic Review*"[tiab] OR "Meta-Analysis"[tiab] OR Metaanalys*[tiab]
- #7. ("controlled clinical trial"[pt] OR "Controlled Clinical Trials as Topic"[MeSH] OR "Random Allocation"[MeSH] OR "Double-Blind Method"[MeSH] OR "single-blind method"[MeSH] OR "Control Groups"[MeSH] OR "cross-over studies"[MeSH] OR random*[tiab] OR placebo[tiab] OR trial[tiab] OR groups[tiab] OR crossover[tiab] OR cross-over[tiab]) NOT ("Animals"[Mesh] NOT ("Humans"[Mesh] AND "Animals"[Mesh]))
- #8. ("Observational Study"[pt] OR "Observational Studies as Topic"[Mesh] OR "Cohort Studies"[Mesh] OR "Case-Control Studies"[Mesh] OR "Cross-Sectional Studies"[Mesh] OR Observational Stud*[tiab] OR Cohort[tiab] OR "Follow-Up"[tiab] OR

Longitudinal*[tiab] OR Prospectiv*[tiab] OR Retrospectiv*[tiab] OR
 "Case-Control"[tiab] OR "Cross-Sectional"[tiab] OR "case series"[tiab] OR "single
 arm"[tiab]) NOT ("Animals"[Mesh] NOT ("Humans"[Mesh] AND "Animals"[Mesh]))

- #9. #5 AND #6 17
- #10. #5 AND #7 192
- #11. #5 AND #8 110

CNKI(期刊、学位、会议，中英文扩展：是，中文)

- #1. (SU%=儿童+婴儿+幼儿+婴幼儿+少儿+小儿+学龄+学龄前+学生+小学生+儿科+低龄+适龄+患儿+学龄+小学生+中学生+学生+青少年+少年 OR TKA=儿童+婴儿+幼儿+婴幼儿+少儿+小儿+学龄+学龄前+学生+小学生+儿科+低龄+适龄+患儿+学龄+小学生+中学生+学生+青少年+少年) AND (SU%=流行性感冒疫苗+流感疫苗 OR TKA=流行性感冒疫苗+流感疫苗) AND (SU%=四价 OR TKA=四价) 30
- #2. #1 AND (SU%=META+荟萃+系统综述+系统评价+评价综述 OR TKA=META+荟萃+系统综述+系统评价+评价综述) 3
- #3. #1 AND (SU%=随机+盲法+双盲+单盲+三盲+交叉+RCT OR TKA=随机+盲法+双盲+单盲+三盲+交叉+RCT) 9
- #4. #1 AND (TKA=观察性研究+病例对照+队列+横断面+纵向+前瞻+回顾+追踪调查+调查追踪+跟踪调查+随访 OR TI=病例+观察 OR SU%=观察性研究+病例对照+队列+横断面+纵向+前瞻+回顾+追踪调查+跟踪调查+随访) 7

问题 2. 预防儿童流感，接种减毒活流感疫苗（live-attenuated influenza vaccine, LAIV）是否优于灭活流感疫苗（inactivated influenza vaccine, IIV）？

检索时间：2023-7-26

Pubmed

- #1. "Child"[Mesh] OR "Infant"[Mesh] OR "Adolescent"[Mesh] OR child[tw] OR children[tw] OR Infant[tw] OR infants[tw] OR infancy[tw] OR baby[tw] OR babies[tw] OR suckling[tw] OR sucklings[tw] OR toddler[tw] OR toddlers[tw] OR childhood[tw] OR schoolchild[tw] OR schoolchildren[tw] OR childcare[tw] OR "child-care"[tw] OR preschool[tw] OR "pre-school"[tw] OR kid[tw] OR kids[tw] OR boy[tw] OR boys[tw]

- OR girl[tw] OR girls[tw] OR Pediatrics[tw] OR Pediatric[tw] OR Pediatrics[tw] OR
Paediatric[tw] OR Paediatrics[tw] OR PICU[tw] OR Adolescen*[tw] OR Teen*[tw] OR
Youth*[tw] OR juvenile[tw] OR student*[tw] OR prepubertal*[tw] OR pre-pubertal*[tw]
OR puberty[tw] OR pubertal*[tw] OR young*[tw]
- #2. "Influenza Vaccines"[Mesh] OR Flu Vaccine*[tw] OR Influenza Vaccine*[tw] OR
Influenzavirus Vaccine*[tw] OR Influenza Virus Vaccine*[tw] OR LAIV Vaccine*[tw]
- #3. #1 AND #2 10264
- #4. Live attenuated[tw] OR attenuated Live[tw] OR LAIV[tw]
- #5. #3 AND #4 786
- #6. "Meta-Analysis"[pt] OR "Meta-Analysis as Topic"[Mesh] OR "Systematic Review" [pt]
OR "Systematic Reviews as Topic"[Mesh] OR "systematic"[Filter] OR "Systematic
Review*" [tiab] OR "Meta-Analysis" [tiab] OR Metaanalys*[tiab]
- #7. ("controlled clinical trial"[pt] OR "Controlled Clinical Trials as Topic"[MeSH] OR
"Random Allocation"[MeSH] OR "Double-Blind Method"[MeSH] OR "single-blind
method"[MeSH] OR "Control Groups"[MeSH] OR "cross-over studies"[MeSH] OR
random*[tiab] OR placebo[tiab] OR trial[tiab] OR groups[tiab] OR crossover[tiab] OR
cross-over[tiab]) NOT ("Animals"[Mesh] NOT ("Humans"[Mesh] AND
"Animals"[Mesh]))
- #8. ("Observational Study"[pt] OR "Observational Studies as Topic"[Mesh] OR "Cohort
Studies"[Mesh] OR "Case-Control Studies"[Mesh] OR "Cross-Sectional Studies"[Mesh]
OR Observational Stud*[tiab] OR Cohort[tiab] OR "Follow-Up"[tiab] OR
Longitudinal*[tiab] OR Prospectiv*[tiab] OR Retrospectiv*[tiab] OR
"Case-Control"[tiab] OR "Cross-Sectional"[tiab] OR "case series"[tiab] OR "single
arm"[tiab]) NOT ("Animals"[Mesh] NOT ("Humans"[Mesh] AND "Animals"[Mesh]))
- #9. #5 AND #6 43
- #10. #5 AND #7 371
- #11. #5 AND #8 164

CNKI(期刊、学位、会议，中英文扩展：是，中文)

- #1. (SU%=儿童+婴儿+幼儿+婴幼儿+少儿+小儿+学龄+学龄前+学生+小学生+儿科+低

- 龄+适龄+患儿+学龄+小学生+中学生+学生+青少年+少年 OR TKA=儿童+婴儿+幼儿+婴幼儿+少儿+小儿+学龄+学龄前+学生+小学生+儿科+低龄+适龄+患儿+学龄+小学生+中学生+学生+青少年+少年) AND (SU%=流行性感疫苗+流感疫苗 OR TKA=流行性感疫苗+流感疫苗) 1696
- #2. #1 AND (SU%=减毒+活疫苗+活流感疫苗 OR TKA=减毒+活疫苗+活流感疫苗) 280
- #3. #2 AND (SU%=META+荟萃+系统综述+系统评价+评价综述 OR TKA=META+荟萃+系统综述+系统评价+评价综述) 12
- #4. #2 AND (SU%=随机+盲法+双盲+单盲+三盲+交叉+RCT OR TKA=随机+盲法+双盲+单盲+三盲+交叉+RCT) 43
- #5. #2 AND (TKA=观察性研究+病例对照+队列+横断面+纵向+前瞻+回顾+追踪调查+调查追踪+跟踪调查+随访 OR TI=病例+观察 OR SU%=观察性研究+病例对照+队列+横断面+纵向+前瞻+回顾+追踪调查+跟踪调查+随访) 30

问题 3：在流感流行季，是否推荐儿童接种流感疫苗？

检索时间：2023-7-26

Pubmed

- #1. "Child"[Mesh] OR "Infant"[Mesh] OR "Adolescent"[Mesh] OR child[tw] OR children[tw] OR Infant[tw] OR infants[tw] OR infancy[tw] OR baby[tw] OR babies[tw] OR suckling[tw] OR sucklings[tw] OR toddler[tw] OR toddlers[tw] OR childhood[tw] OR schoolchild[tw] OR schoolchildren[tw] OR childcare[tw] OR "child-care"[tw] OR preschool[tw] OR "pre-school"[tw] OR kid[tw] OR kids[tw] OR boy[tw] OR boys[tw] OR girl[tw] OR girls[tw] OR Pediatrics[tw] OR Pediatric[tw] OR Pediatrics[tw] OR Paediatric[tw] OR Paediatrics[tw] OR PICU[tw] OR Adolescen*[tw] OR Teen*[tw] OR Youth*[tw] OR juvenile[tw] OR student*[tw] OR prepubertal*[tw] OR pre-pubertal*[tw] OR puberty[tw] OR pubertal*[tw] OR young*[tw]
- #2. "Influenza Vaccines"[Mesh] OR Flu Vaccine*[tw] OR Influenza Vaccine*[tw] OR Influenzavirus Vaccine*[tw] OR Influenza Virus Vaccine*[tw] OR LAIV Vaccine*[tw]
- #3. #1 AND #2 10264
- #4. Flu season[tw] OR Influenza season[tw] OR off season[tw] OR Outbreak season[tw]

- #5. #3 AND #4 1097
- #6. "Meta-Analysis"[pt] OR "Meta-Analysis as Topic"[Mesh] OR "Systematic Review" [pt]
OR "Systematic Reviews as Topic"[Mesh] OR "systematic"[Filter] OR "Systematic
Review*"[tiab] OR "Meta-Analysis"[tiab] OR Metaanalys*[tiab]
- #7. ("controlled clinical trial"[pt] OR "Controlled Clinical Trials as Topic"[MeSH] OR
"Random Allocation"[MeSH] OR "Double-Blind Method"[MeSH] OR "single-blind
method"[MeSH] OR "Control Groups"[MeSH] OR "cross-over studies"[MeSH] OR
random*[tiab] OR placebo[tiab] OR trial[tiab] OR groups[tiab] OR crossover[tiab] OR
cross-over[tiab]) NOT ("Animals"[Mesh] NOT ("Humans"[Mesh] AND
"Animals"[Mesh]))
- #8. ("Observational Study"[pt] OR "Observational Studies as Topic"[Mesh] OR "Cohort
Studies"[Mesh] OR "Case-Control Studies"[Mesh] OR "Cross-Sectional Studies"[Mesh]
OR Observational Stud*[tiab] OR Cohort[tiab] OR "Follow-Up"[tiab] OR
Longitudinal*[tiab] OR Prospectiv*[tiab] OR Retrospectiv*[tiab] OR
"Case-Control"[tiab] OR "Cross-Sectional"[tiab] OR "case series"[tiab] OR "single
arm"[tiab]) NOT ("Animals"[Mesh] NOT ("Humans"[Mesh] AND "Animals"[Mesh]))
- #9. #5 AND #6 21
- #10. #5 AND #7 356
- #11. #5 AND #8 465

CNKI(期刊、学位、会议，中英文扩展：是，中文)

- #1. (SU%=儿童+婴儿+幼儿+婴幼儿+少儿+小儿+学龄+学龄前+学生+小学生+儿科+
低龄+适龄+患儿+学龄+小学生+中学生+学生+青少年+少年 OR TKA=儿童+婴儿+
幼儿+婴幼儿+少儿+小儿+学龄+学龄前+学生+小学生+儿科+低龄+适龄+患儿+学龄
+小学生+中学生+学生+青少年+少年) AND (SU%=流行性感冒疫苗+流感疫苗 OR
TKA=流行性感冒疫苗+流感疫苗) 1696
- #2. #1 AND (SU%=流感季+流感季节+流感爆发季+流感爆发期+流感季尾声 OR
TKA=流感季+流感季节+流感爆发季+流感爆发期+流感季尾声) 76
- #3. #2 AND (SU%=META+荟萃+系统综述+系统评价+评价综述 OR TKA=META+荟
萃+系统综述+系统评价+评价综述) 4

#4. #2 AND (SU%=随机+盲法+双盲+单盲+三盲+交叉+RCT OR TKA=随机+盲法+双盲+单盲+三盲+交叉+RCT) 11

#5. #2 AND (TKA=观察性研究+病例对照+队列+横断面+纵向+前瞻+回顾+追踪调查+调查追踪+跟踪调查+随访 OR TI=病例+观察 OR SU%=观察性研究+病例对照+队列+横断面+纵向+前瞻+回顾+追踪调查+跟踪调查+随访) 17

问题 4. 有明确流感密接触史的儿童，是否推荐暴露后抗病毒药物预防？

问题 5: 对于无并发症、无重症高危因素、无需住院的流感儿童，在发病 48 h 内是否常规推荐抗病毒药物治疗？

问题 6: 确诊流感的儿童在发病 48 h 后，是否推荐使用抗病毒药物？

问题 7: 在流感流行季节，对于流感病毒抗原检测阴性的流感样疾病儿童，是否推荐接受抗病毒药物治疗？

检索时间：2023-7-26

Pubmed

#1. "Influenza, Human"[Mesh] OR Influenza*[tw] OR FLU[tw] OR Grippe[tw]

#2. "Child"[Mesh] OR "Infant"[Mesh] OR "Adolescent"[Mesh] OR child[tw] OR children[tw] OR Infant[tw] OR infants[tw] OR infancy[tw] OR baby[tw] OR babies[tw] OR suckling[tw] OR sucklings[tw] OR toddler[tw] OR toddlers[tw] OR childhood[tw] OR schoolchild[tw] OR schoolchildren[tw] OR childcare[tw] OR "child-care"[tw] OR preschool[tw] OR "pre-school"[tw] OR kid[tw] OR kids[tw] OR boy[tw] OR boys[tw] OR girl[tw] OR girls[tw] OR Pediatrics[tw] OR Pediatric[tw] OR Pediatrics[tw] OR Paediatric[tw] OR Paediatrics[tw] OR PICU[tw] OR Adolescen*[tw] OR Teen*[tw] OR Youth*[tw] OR juvenile[tw] OR student*[tw] OR prepubertal*[tw] OR pre-pubertal*[tw] OR puberty[tw] OR pubertal*[tw] OR young*[tw]

#3. RNA polymerase inhibitor*[tw] OR "baloxavir" [Supplementary Concept] OR baloxavir[tw] OR "s 033188"[tw] OR neuraminidase inhibitor*[tw] OR sialidase inhibitor*[tw] OR "Oseltamivir"[Mesh] OR Oseltamivir[tw] OR fluvir[tw] OR tamivil[tw] OR "peramivir" [Supplementary Concept] OR peramivir[tw] OR alpivab[tw] OR peramiflu[tw] OR rapiacta[tw] OR "Zanamivir"[Mesh] OR zanamivir[tw] OR relenza[tw]

- #4. #1 AND #2 AND #3 1825
- #5. "Meta-Analysis"[pt] OR "Meta-Analysis as Topic"[Mesh] OR "Systematic Review" [pt] OR "Systematic Reviews as Topic"[Mesh] OR "systematic"[Filter] OR "Systematic Review*"[tiab] OR "Meta-Analysis"[tiab] OR Metaanalys*[tiab]
- #6. ("controlled clinical trial"[pt] OR "Controlled Clinical Trials as Topic"[MeSH] OR "Random Allocation"[MeSH] OR "Double-Blind Method"[MeSH] OR "single-blind method"[MeSH] OR "Control Groups"[MeSH] OR "cross-over studies"[MeSH] OR random*[tiab] OR placebo[tiab] OR trial[tiab] OR groups[tiab] OR crossover[tiab] OR cross-over[tiab]) NOT ("Animals"[Mesh] NOT ("Humans"[Mesh] AND "Animals"[Mesh]))
- #7. ("Observational Study"[pt] OR "Observational Studies as Topic"[Mesh] OR "Cohort Studies"[Mesh] OR "Case-Control Studies"[Mesh] OR "Cross-Sectional Studies"[Mesh] OR Observational Stud*[tiab] OR Cohort[tiab] OR "Follow-Up"[tiab] OR Longitudinal*[tiab] OR Prospectiv*[tiab] OR Retrospectiv*[tiab] OR "Case-Control"[tiab] OR "Cross-Sectional"[tiab] OR "case series"[tiab] OR "single arm"[tiab]) NOT ("Animals"[Mesh] NOT ("Humans"[Mesh] AND "Animals"[Mesh]))
- #8. #4 AND #5 69
- #9. #4 AND #6 428
- #10. #4 AND #7 565

CNKI(期刊、学位、会议，中英文扩展：是，中文)

- #1. (SU%=流感+流行性感冒 OR TKA=流感+流行性感冒) AND (SU%=儿童+婴儿+幼儿+婴幼儿+少儿+小儿+学龄+学龄前+学生+小学生+儿科+低龄+适龄+患儿+学龄+小学生+中学生+学生+青少年+少年 OR TKA=儿童+婴儿+幼儿+婴幼儿+少儿+小儿+学龄+学龄前+学生+小学生+儿科+低龄+适龄+患儿+学龄+小学生+中学生+学生+青少年+少年) AND (SU%= RNA 聚合酶抑制剂+玛巴洛沙韦+神经氨酸酶抑制剂+奥司他韦+达菲+帕拉米韦+扎那米韦+依乐韦 OR TKA= RNA 聚合酶抑制剂+玛巴洛沙韦+神经氨酸酶抑制剂+奥司他韦+达菲+帕拉米韦+扎那米韦+依乐韦) 744
- #2. #1 AND (SU%=META+荟萃+系统综述+系统评价+评价综述 OR TKA=META+荟萃+系统综述+系统评价+评价综述) 13

- #3. #1 AND (SU%=随机+盲法+双盲+单盲+三盲+交叉+RCT OR TKA=随机+盲法+双盲+单盲+三盲+交叉+RCT) 258
- #4. #1 AND (TKA=观察性研究+病例对照+队列+横断面+纵向+前瞻+回顾+追踪调查+调查追踪+跟踪调查+随访 OR TI=病例+观察 OR SU%=观察性研究+病例对照+队列+横断面+纵向+前瞻+回顾+追踪调查+跟踪调查+随访) 268