

Bijlage 5: zoekstrategieën, PICO en selectiecriteria

Uitgangsvragen

1. Overzicht geneesmiddelen reacties; de verschillende huidreacties en hun reactietypes; effecten van terecht en onterecht labelen
2. Wat zijn de relevante differentiaal diagnoses?
3. Wat is de plaats van aanvullende diagnostiek in de acute fase?
4. Wanneer is allergologisch onderzoek geïndiceerd?
5. Hoe kun je het causale geneesmiddel tijdens een acute reactie identificeren?
6. Wat zijn gunstige indicatoren (t.a.v reactie en behandeling) voor een succesvolle *treating through* behandeling? Wat zijn indicaties en contra-indicaties voor *treating through* beleid?
7. Behandeling van een delayed Type IV reactie in de acute fase
 - a. Wat is de meerwaarde (vergeleken met lokale) van systemische steroïden bij mild/ matig/ ernstig GM geïnduceerd maculopapuleus exantheem bij kinderen en volwassenen?
 - b. Wat is de werkzaamheid/ indicatie van lokale/systemische steroïden en ciclosporine bij DRESS?
 - c. Wat is de werkzaamheid/ indicatie van lokale/systemische steroïden en ciclosporine bij AGEP?

PICO's

VRAAG 1

P: patiënten met een geneesmiddel geïnduceerd maculopapuleus exantheem

I: lokale corticosteroïden, systemische corticosteroïden

C: andere behandeling, geen behandeling, placebo

O: effectiviteit, kwaliteit van leven, VAS jeuk

VRAAG 2

P: patiënten met DRESS

I: lokale corticosteroïden, systemische corticosteroïden, ciclosporine

C: andere behandeling, geen behandeling, placebo

O: effectiviteit, kwaliteit van leven, VAS Jeuk

VRAAG 3

P: patiënten met AGEP

I: lokale corticosteroïden, systemische corticosteroïden, ciclosporine

C: andere behandeling, geen behandeling, placebo

O: effectiviteit, kwaliteit van leven, VAS Jeuk

In/exclusie criteria

Inclusiecriteria	Exclusiecriteria
<ul style="list-style-type: none">- Humane studies- Gepubliceerd na 2000	<ul style="list-style-type: none">- Dubbele publicaties- N < 10

<ul style="list-style-type: none"> - Nederlands- en Engelstalige studies - Alle leeftijden - RCT's, prospectieve studies, systematic reviews (Bij AGEF en MPE ook: retrospectieve studies en case series met n>50) - Effectiviteit, kwaliteit van leven, VAS Jeukscore pijnscore 	-
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MEDLINE d.d. 23 juli 2021

- 1 exp maculopapular exanthem/ 24385
- 2 (maculopapular rash or maculopapular eruption or maculopapular exanthe* or maculopapular skin).ab,ti,kw. 1732
- 3 1 or 2 25739
- 4 ((systemic or oral* or "per os" or parenteral*) adj3 (steroid* or glucosteroid* or corticosteroid* or glucocorticosteroid*).tw. 22814
- 5 ((topical or cutaneous or local or systemic or oral* or "per os" or parenteral*) adj3 (steroid* or glucosteroid* or corticosteroid* or glucocorticosteroid*).tw. 35712
- 6 (prednison* or methylprednis* or dehydrocortisone or dexamethason*).tw. 101389
- 7 exp Prednisolone/ or Adrenal Cortex Hormones/ 116495
- 8 4 or 5 or 6 or 7 229277
- 9 (meta-analysis/ or meta-analysis as topic/ or (meta adj analy\$).tw. or ((systematic* or literature) adj2 review\$1).tw. or (systematic adj overview\$1).tw. or exp "Review Literature as Topic"/ or cochrane.ab. or cochrane.jw. or embase.ab. or medline.ab. or (psychlit or psyclit).ab. or (cinahl or cinhal).ab. or cancerlit.ab. or ((selection criteria or data extraction).ab. and "review"/)) not (Comment/ or Editorial/ or Letter/ or (animals/ not humans/)) 519900
- 10 (exp clinical trial/ or randomized controlled trial/ or exp clinical trials as topic/ or randomized controlled trials as topic/ or Random Allocation/ or Double-Blind Method/ or Single-Blind Method/ or (clinical trial, phase i or clinical trial, phase ii or clinical trial, phase iii or clinical trial, phase iv or controlled clinical trial or randomized controlled trial or multicenter study or clinical trial).pt. or random*.ti,ab. or (clinic* adj trial*).tw. or ((singl* or doubl* or treb* or tripl*) adj (blind\$3 or mask\$3)).tw. or Placebos/ or placebo*.tw.) not (animals/ not humans/) 2143534
- 11 Epidemiologic studies/ or case control studies/ or exp cohort studies/ or Controlled Before-After Studies/ or Case control.tw. or (cohort adj (study or studies)).tw. or Cohort analy\$.tw. or (Follow up adj (study or studies)).tw. or (observational adj (study or studies)).tw. or Longitudinal.tw. or Retrospective*.tw. or prospective*.tw. or consecutive*.tw. or Cross sectional.tw. or Cross-sectional studies/ or historically controlled study/ or interrupted time series analysis/ 3774289
- 12 9 or 10 or 11 5530607
- 13 3 and 8 and 12 442
- 14 limit 13 to (yr="1999 -Current" and (dutch or english)) 346 hits VOOR MPE
- 15 exp dress syndrome/ 726

16 dress.ti,ab,kw.2604
 17 (drug rash with eosinophilia and systemic symptoms).ti,ab,kw. 303
 18 dress syndrome.ti,ab,kw. 569
 19 15 or 16 or 17 or 18 2936
 20 (c?closporin* or CyA or Cy-A or CsA or Cs-A or csaneoral or neoral or sandimmun*).ti,ab,kw. 66616
 21 Cyclosporine/ 29754
 22 20 or 21 72131
 23 8 or 22291998
 24 12 and 19 and 23 68
 25 limit 24 to (yr="1999 -Current" and (dutch or english)) 64 hits VOOR DRESS
 26 agep.ti,ab,kw. 372
 27 acute generalised exanthematous pustulos*.ti,ab,kw. 50
 28 26 or 27 398
 29 12 and 23 and 28 17
 30 limit 29 to (yr="1999 -Current" and (dutch or english)) 17 hits VOOR AGEP

Cochrane Library's d.d. 23 juli 2021

#1 MeSH descriptor: [Drug Eruptions] explode all trees and with qualifier(s): [drug therapy - DT, therapy - TH] 72
 #2 ((maculopapular rash or maculopapular eruption or maculopapular exanthe* or maculopapular skin)):ti,ab,kw (Word variations have been searched) 314
 #3 #1 or #2 386
 #4 (systemic steroid*) or (oral steroid*) or (parenteral steroid*):ti,ab,kw 10883
 #5 (systemic glucosteroid*) or (oral* glucosteroid*) or (parenteral* glucosteroid*):ti,ab,kw 12
 #6 (systemic corticosteroid*) or (oral* corticosteroid*) or (parenteral* corticosteroid*):ti,ab,kw 8842
 #7 (systemic glucocorticosteroid*) or (oral* glucocorticosteroid*) or (parenteral* glucocorticosteroid*):ti,ab,kw 310
 #8 (prednison* or methylprednis* or dehydrocortisone or dexamethason*):ti,ab,kw 26414
 #9 MeSH descriptor: [Prednisone] explode all trees 4066
 #10 MeSH descriptor: [Prednisolone] explode all trees 4997
 #11 #4 or #5 or #6 or #7 or #8 or #9 or #10 41998
 #12 #3 and #11 in Cochrane Reviews, Trials 44 hits VOOR MPE
 #13 dress:ti,ab,kw 227
 #14 MeSH descriptor: [Drug Hypersensitivity Syndrome] explode all trees 3
 #15 (drug rash with eosinophilia and systemic symptoms):ti,ab,kw 8
 #16 dress syndrome:ti,ab,kw 52
 #17 #13 or #14 or #15 or #16 236
 #18 (c?closporin* or CyA or Cy-A or CsA or Cs-A or csaneoral or neoral or sandimmun*):ti,ab,kw 9266
 #19 MeSH descriptor: [Cyclosporine] explode all trees 2784
 #20 #18 or #19 9266
 #21 #11 or #20 49396
 #22 #17 and #21 16 hits VOOR DRESS
 #23 agep:ti,ab,kw 17

#24 acute generalised exanthematous pustulos*:ti,ab,kw 6
 #25 #23 or #24 23
 #26 #25 en #21 0 hits VOOR AGEF

Embase Session Results (23 Jul 2021)

No. Query Results
 #14 #4 AND #5 AND #12 73 AGEF
 #13 #4 AND #6 AND #12 272 DRESS
 #12 #8 OR #11 1147199
 #11 'cyclosporine'/exp OR 'cyclosporine':ti,ab 161080
 #10 #4 AND #9 442 MPE
 #9 #7 AND #8 2818
 #8 'corticosteroid'/exp OR 'corticosteroid':ti,ab 1062135
 #7 'maculopapular rash'/exp OR 'maculopapular rash':ti,ab 9230
 #6 'dress syndrome'/exp OR 'dress syndrome':ti,ab OR 'drug rash with eosinophilia and systemic symptoms' OR 'drug rash with eosinophilia and systemic symptoms':ti,ab 4261
 #5 'acute generalized exanthematous pustulosis'/exp OR 'acute generalized exanthematous pustulosis' OR 'agep' OR 'agep':ti,ab 1749
 #4 #1 OR #2 OR #3 4700008
 #3 'clinical study'/de OR 'case control study'/de OR 'family study'/de OR 'longitudinal study'/de OR 'retrospective study'/de OR ('prospective study'/de NOT 'randomized controlled trial'/de) OR 'cohort analysis'/de OR ((cohort NEAR/1 (study OR studies)):ab,ti) OR (case:ab,ti AND ((control NEAR/1 (study OR studies)):ab,ti)) OR (follow:ab,ti AND ((up NEAR/1 (study OR studies)):ab,ti)) OR ((observational NEAR/1 (study OR studies)):ab,ti) OR ((epidemiologic NEAR/1 (study OR studies)):ab,ti) OR (('cross sectional' NEAR/1 (study OR studies)):ab,ti) 2599485
 #2 ('clinical trial'/exp OR 'randomization'/exp OR 'single blind procedure'/exp OR 'double blind procedure'/exp OR 'crossover procedure'/exp OR 'placebo'/exp OR 'prospective study'/exp OR rct:ab,ti OR random*:ab,ti OR 'single blind':ab,ti OR 'randomised controlled trial':ab,ti OR 'randomized controlled trial'/exp OR placebo*:ab,ti) NOT 'conference abstract':it 2403493
 #1 ('meta analysis'/de OR cochrane:ab OR embase:ab OR psycinfo:ab OR cinahl:ab OR medline:ab OR ((systematic NEAR/1 (review OR overview)):ab,ti) OR ((meta NEAR/1 analy*):ab,ti) OR metaanalys*:ab,ti OR 'data extraction':ab OR cochrane:jt OR 'systematic review'/de) NOT (('animal experiment'/exp OR 'animal model'/exp OR 'nonhuman'/exp) NOT 'human'/exp) 498744

Alle resultaten MPE

Database	Datum	# hits
EMBASE		442
MEDLINE		346
Cochrane		44
Totaal		832
Duplicates		19
Netto aantal		813

Alle resultaten DRESS

Database	Datum	# hits
EMBASE		272
MEDLINE		64
Cochrane		16
Totaal		352
Duplicates		2
Netto aantal		350

Alle resultaten AGEP

Database	Datum	# hits
EMBASE		73
MEDLINE		17
Cochrane		0
Totaal		90
Duplicates		0
Netto aantal		90

Resultaten

Uitgangsvraag	MEDLINE	EMBASE	Cochrane	Totaal (na ontdubbelen)	Incl full text screening (na tiab screening)
• MPE	346	442	44	813	10
• AGEP	17	73	0	90	12
• DRESS	64	272	16	350	12