

**PubMed (Targeted search – pruritus: investigations) carried out 03.03.2012, top-up 23.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys* OR "systematic review" OR controlled clinical trials, randomized [MeSH Terms] OR randomi* controlled trial* OR randomi* control trial* OR RCT* OR non-randomi* controlled trial* OR non-randomi* control trial* OR controlled clinical trial* OR clinical monitor* OR case series OR case report* OR case control* OR open stud* OR cohort stud*       |
| 2          | pruritus[MeSH Terms] OR pruritus[Title] OR "generalised pruritus" OR "generalized pruritus" OR "generalised itch" OR "generalized itch" OR "renal pruritus" OR "renal itch" OR "idiopathic pruritus" OR "idiopathic itch"   |
| 3          | 1 AND 2   |
| 4          | investigat* OR FBC OR "full blood count" OR "blood film" OR U&E OR "urea and electrolytes" OR "calcium profile" OR glucose OR LFT OR "liver function test" OR TFT OR "thyroid function test" OR "iron study" OR "iron studies" OR immunoglobulin* OR "serum electrophoresis" OR "serum free light chains" OR "urinary free light chains" OR "chest X-ray" OR biopsy |
| 5          | 3 AND 4   |
| 6          | urticaria[MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitis  |
| 7          | 5 NOT 6   |
| 8          | pruritus ani[MeSH Terms] OR "pruritus ani"  |
| 9          | 7 NOT 8   |
| 10         | Limit 9 to "humans", "adults"   |
| 11         | Limit 10 to publications in the English language  |

**Medline & EMBASE (Proquest/DialogDatastar) (Targeted search – pruritus: investigations) carried out 03.03.2012, top-up 25.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys\$2 OR (systematic pre/0 review\$1) OR (randomi\$3 pre/0 control\$3 pre/0 trial\$1) OR RCT\$1 OR (non-randomi\$3 control\$3 pre/0 trial\$1) OR (control\$3 pre/0 clinical pre/0 trial\$1) OR (clinical pre/0 monitor\$3) OR (case pre/0 series) OR (case pre/0 report\$1) OR (case pre/0 control\$1) OR (open pre/0 stud\$3) OR (cohort pre/0 stud\$3)   |
| 2          | MESH.EXACT("pruritus") OR MJEMB.EXACT("pruritus") OR ti(pruritus) OR (generalised pre/0 pruritus) OR (generalized pre/0 pruritus) OR (generalised pre/0 itch) OR (generalized pre/0 itch) OR (renal pre/0 pruritus) ) OR (renal pre/0 itch) OR (idiopathic pre/0 pruritus) OR (idiopathic pre/0 itch)   |
| 3          | 1 AND 2   |
| 4          | investigat\$4 OR FBC OR (full pre/0 blood pre/0 count) OR (blood pre/0 film) OR U&E OR (urea AND electrolytes) OR (calcium pre/0 profile) OR glucose OR LFT OR (liver pre/0 function pre/0 test) OR TFT OR (thyroid pre/0 function pre/0 test) OR (iron pre/0 stud\$3) OR immunoglobulin\$1 OR (serum pre/0 electrophoresis) OR (serum pre/0 free pre/0 light pre/0 chains) OR (urinary pre/0 free pre/0 light pre/0 chains) OR (chest pre/0 X-ray) OR biopsy |
| 5          | 3 AND 4   |
| 6          | MESH.EXACT("urticaria") OR EMB.EXACT("urticaria") OR urticaria OR MESH.EXACT("eczema") OR EMB.EXACT("eczema") OR eczema OR MESH.EXACT("dermatitis") OR EMB.EXACT("dermatitis") OR dermatitis  |
| 7          | 5 NOT 6   |
| 8          | MESH.EXACT("pruritus ani") OR EMB.EXACT("anus pruritus") OR (pruritus pre/0 ani)  |

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| 9  | 7 NOT 8  |
| 10 | Limit 9 to "humans", "adults"                    |
| 11 | Limit 10 to publications in the English language |

**PubMed (Targeted search – pruritus: hormonally driven) carried out 07.01.2013, top-up 23.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys* OR "systematic review" OR controlled clinical trials, randomized [MeSH Terms] OR randomi* controlled trial* OR randomi* control trial* OR RCT* OR non-randomi* controlled trial* OR non-randomi* control trial* OR controlled clinical trial* OR clinical monitor* OR case series OR case report* OR case control* OR open stud* OR cohort stud* |
| 2          | pruritus[MeSH Terms] OR pruritus[Title] OR "generalised pruritus" OR "generalized pruritus" OR "generalised itch" OR "generalized itch" OR "renal pruritus" OR "renal itch" OR "idiopathic pruritus" OR "idiopathic itch"   |
| 3          | 1 AND 2   |
| 4          | thyroid OR hypothyroid OR hyperthyroid OR thyrotoxicosis [MeSH Terms] OR thyrotoxicosis OR myxoedema [MeSH Terms] OR myxoedema OR Graves disease [MeSH Terms] OR Grave's disease OR thyroiditis [MeSH Terms] OR thyroiditis OR hormone OR hormones [MeSH Terms] OR hormones OR endocrine OR endocrinology [MeSH Terms] OR endocrinology                       |
| 5          | 3 AND 4   |
| 6          | urticaria[MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitis  |
| 7          | 5 NOT 6   |
| 8          | pruritus ani[MeSH Terms] OR "pruritus ani"  |
| 9          | 7 NOT 8   |
| 10         | Limit 9 to "humans", "adults"   |
| 11         | Limit 10 to publications in the English language  |

**Medline & EMBASE (Proquest/DialogDatastar) (Targeted search – pruritus: hormonally driven) carried out 07.01.2013, top-up 25.11.2016**

| Search no. | Keywords   |
|------------|--|
| 1          | meta-analys\$2 OR (systematic pre/0 review\$1) OR (randomi\$3 pre/0 control\$3 pre/0 trial\$1) OR RCT\$1 OR (non-randomi\$3 control\$3 pre/0 trial\$1) OR (control\$3 pre/0 clinical pre/0 trial\$1) OR (clinical pre/0 monitor\$3) OR (case pre/0 series) OR (case pre/0 report\$1) OR (case pre/0 control\$1) OR (open pre/0 stud\$3) OR (cohort pre/0 stud\$3)                    |
| 2          | MESH.EXACT("pruritus") OR MJEMB.EXACT("pruritus") OR ti(pruritus) OR (generalised pre/0 pruritus) OR (generalized pre/0 pruritus) OR (generalised pre/0 itch) OR (generalized pre/0 itch) OR (renal pre/0 pruritus) ) OR (renal pre/0 itch) OR (idiopathic pre/0 pruritus) OR (idiopathic pre/0 itch)  |
| 3          | 1 AND 2  |
| 4          | thyroid OR hypothyroid OR hyperthyroid OR MESH.EXACT("thyrotoxicosis") OR EMB.EXACT("thyrotoxicosis") OR thyrotoxicosis OR EMB.EXACT("myxedema") OR myxoedema OR Graves disease[MeSH Terms] OR EMB.EXACT("Graves disease") OR (Grave's pre/0 disease) OR thyroiditis OR hormone OR hormones OR endocrine OR endocrinology[MeSH Terms] OR EMB.EXACT("endocrinology") OR endocrinology |
| 5          | 3 AND 4  |

|    |  |
|----|--|
| 6  | MESH.EXACT("urticaria") OR EMB.EXACT("urticaria") OR urticaria OR<br>MESH.EXACT("eczema") OR EMB.EXACT("eczema") OR eczema OR<br>MESH.EXACT("dermatitis") OR EMB.EXACT("dermatitis") OR dermatitis |
| 7  | 5 NOT 6  |
| 8  | MESH.EXACT("pruritus ani") OR EMB.EXACT("anus pruritus") OR (pruritus pre/0 ani)   |
| 9  | 7 NOT 8  |
| 10 | Limit 9 to "humans", "adults"  |
| 11 | Limit 10 to publications in the English language   |

**PubMed (Targeted search – pruritus: drug-induced) carried out 14.01.2013, top-up 23.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys* OR "systematic review" OR controlled clinical trials, randomized [MeSH Terms] OR randomi* controlled trial* OR randomi* control trial* OR RCT* OR non-randomi* controlled trial* OR non-randomi* control trial* OR controlled clinical trial* OR clinical monitor* OR case series OR case report* OR case control* OR open stud* OR cohort stud* |
| 2          | pruritus[MeSH Terms] OR pruritus[Title] OR "generalised pruritus" OR "generalized pruritus" OR "generalised itch" OR "generalized itch" OR "renal pruritus" OR "renal itch" OR "idiopathic pruritus" OR "idiopathic itch"   |
| 3          | "drug-induced" OR "drug induced"  |
| 4          | 2 and 3   |
| 5          | pruritus/chemically induced   |
| 6          | 4 OR 5  |
| 7          | 1 AND 6   |
| 8          | urticaria[MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitis  |
| 9          | 7 NOT 8   |
| 10         | pruritus ani[MeSH Terms] OR "pruritus ani")   |
| 11         | 9 NOT 10  |
| 12         | Limit 11 to "humans", "adults"  |
| 13         | Limit 12 to publications in the English language  |

**Medline & EMBASE (Proquest/DialogDatastar) (Targeted search – pruritus: drug-induced) carried out 14.01.2013, top-up 25.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys\$2 OR (systematic pre/0 review\$1) OR (randomi\$3 pre/0 control\$3 pre/0 trial\$1) OR RCT\$1 OR (non-randomi\$3 control\$3 pre/0 trial\$1) OR (control\$3 pre/0 clinical pre/0 trial\$1) OR (clinical pre/0 monitor\$3) OR (case pre/0 series) OR (case pre/0 report\$1) OR (case pre/0 control\$1) OR (open pre/0 stud\$3) OR (cohort pre/0 stud\$3) |
| 2          | MESH.EXACT("pruritus") OR MJEMB.EXACT("pruritus") OR ti(pruritus) OR (generalised pre/0 pruritus) OR (generalized pre/0 pruritus) OR (generalised pre/0 itch) OR (generalized pre/0 itch) OR (renal pre/0 pruritus) ) OR (renal pre/0 itch) OR (idiopathic pre/0 pruritus) OR (idiopathic pre/0 itch)   |
| 3          | Drug pre/0 induced  |
| 4          | 2 and 3   |
| 5          | MESH.EXACT("Pruritus -- chemically induced")  |

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| 6  | 4 OR 5   |
| 7  | 1 AND 6  |
| 8  | MESH.EXACT("urticaria") OR EMB.EXACT("urticaria") OR urticaria OR MESH.EXACT("eczema") OR EMB.EXACT("eczema") OR eczema OR MESH.EXACT("dermatitis") OR EMB.EXACT("dermatitis") OR dermatitis |
| 9  | 7 NOT 8  |
| 10 | MESH.EXACT("pruritus ani") OR EMB.EXACT("anus pruritus") OR (pruritus pre/0 ani)   |
| 11 | 9 NOT 10   |
| 12 | Limit 11 to "humans", "adults"   |
| 13 | Limit 12 to publications in the English language   |

**PubMed (Targeted search – pruritus: occult malignancy) carried out 03.03.2012, top-up 23.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys* OR "systematic review" OR controlled clinical trials, randomized [MeSH Terms] OR randomi* controlled trial* OR randomi* control trial* OR RCT* OR non-randomi* controlled trial* OR non-randomi* control trial* OR controlled clinical trial* OR clinical monitor* OR case series OR case report* OR case control* OR open stud* OR cohort stud* |
| 2          | pruritus[MeSH Terms] OR pruritus[Title] OR "generalised pruritus" OR "generalized pruritus" OR "generalised itch" OR "generalized itch" OR "renal pruritus" OR "renal itch" OR "idiopathic pruritus" OR "idiopathic itch"   |
| 3          | 1 AND 2   |
| 4          | "occult malignancy" OR "occult cancer" OR (occult AND malignancy) OR (occult AND cancer) OR malignant OR malignancy OR cancer   |
| 5          | 3 AND 4   |
| 6          | urticaria[MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitis  |
| 7          | 5 NOT 6   |
| 8          | pruritus ani[MeSH Terms] OR "pruritus ani"  |
| 9          | 7 NOT 8   |
| 10         | Limit 9 to "humans", "adults"   |
| 11         | Limit 10 to publications in the English language  |

**Medline & EMBASE (Proquest/DialogDatastar) (Targeted search – pruritus: occult malignancy) carried out 03.03.2012, top-up 25.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys\$2 OR (systematic pre/0 review\$1) OR (randomi\$3 pre/0 control\$3 pre/0 trial\$1) OR RCT\$1 OR (non-randomi\$3 control\$3 pre/0 trial\$1) OR (control\$3 pre/0 clinical pre/0 trial\$1) OR (clinical pre/0 monitor\$3) OR (case pre/0 series) OR (case pre/0 report\$1) OR (case pre/0 control\$1) OR (open pre/0 stud\$3) OR (cohort pre/0 stud\$3) |
| 2          | MESH.EXACT ("pruritus") OR MJEMB.EXACT("pruritus") OR ti(pruritus) OR (generalised pre/0 pruritus) OR (generalized pre/0 pruritus) OR (generalised pre/0 itch) OR (generalized pre/0 itch) OR (renal pre/0 pruritus) ) OR (renal pre/0 itch) OR (idiopathic pre/0 pruritus) OR (idiopathic pre/0 itch)  |
| 3          | 1 AND 2   |
| 4          | (occult pre/0 malignancy) OR (occult pre/0 cancer) OR (occult AND malignancy) OR (occult AND cancer) OR malignan\$4 OR cancer   |

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| 5  | 3 AND 4  |
| 6  | MESH.EXACT("urticaria") OR EMB.EXACT("urticaria") OR urticaria OR MESH.EXACT("eczema") OR EMB.EXACT("eczema") OR eczema OR MESH.EXACT("dermatitis") OR EMB.EXACT("dermatitis") OR dermatitis |
| 7  | 5 NOT 6  |
| 8  | MESH.EXACT("pruritus ani") OR EMB.EXACT("anus pruritus") OR (pruritus pre/0 ani)   |
| 9  | 7 NOT 8  |
| 10 | Limit 9 to "humans", "adults"  |
| 11 | Limit 10 to publications in the English language   |

**PubMed (Targeted search – pruritus: systemics) carried out 03.03.2012, top-up 23.11.2016**

| Search no. | Keywords   |
|------------|--|
| 1          | meta-analys* OR "systematic review" OR controlled clinical trials, randomized [MeSH Terms] OR randomi* controlled trial* OR randomi* control trial* OR RCT* OR non-randomi* controlled trial* OR non-randomi* control trial* OR controlled clinical trial* OR clinical monitor* OR case series OR case report* OR case control* OR open stud* OR cohort stud*  |
| 2          | pruritus[MeSH Terms] OR pruritus[Title] OR "generalised pruritus" OR "generalized pruritus" OR "generalised itch" OR "generalized itch" OR "renal pruritus" OR "renal itch" OR "idiopathic pruritus" OR "idiopathic itch"  |
| 3          | 1 AND 2  |
| 4          | systemic OR systemics OR oral antidepress* OR oral anti-depress* OR dothiepin[MeSH Terms] OR dothiepin OR mirtazepine OR mirtazapine OR doxepin[MeSH Terms] OR doxepin OR amitryptiline OR antihistamines[MeSH Terms] OR antihistamine* OR hydroxyzine OR hydroxyzine OR chlorpheniramine[MeSH Terms] OR chlorpheniramine OR loratadine[MeSH Terms] OR loratadine OR fexofenadine OR cetirizine[MeSH Terms] OR cetirizine OR oral prednisolone OR gabapentin OR pregabalin OR naltrexone[MeSH Terms] OR naltrexone OR cholestyramine[MeSH Terms] OR cholestyramine OR paroxetine[MeSH Terms] OR paroxetine OR sertraline[MeSH Terms] OR sertraline OR ondansetron[MeSH Terms] OR ondansetron OR rifampicin[MeSH Terms] OR rifampicin |
| 5          | 3 AND 4  |
| 6          | urticaria[MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitis   |
| 7          | 5 NOT 6  |
| 8          | pruritus ani[MeSH Terms] OR "pruritus ani"   |
| 9          | 7 NOT 8  |
| 10         | Limit 9 to "humans", "adults"  |
| 11         | Limit 10 to publications in the English language   |

**Medline & EMBASE (Proquest/DialogDatastar) (Targeted search – pruritus: systemics) carried out 03.03.2012, top-up 25.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys\$2 OR (systematic pre/0 review\$1) OR (randomi\$3 pre/0 control\$3 pre/0 trial\$1) OR RCT\$1 OR (non-randomi\$3 control\$3 pre/0 trial\$1) OR (control\$3 pre/0 clinical pre/0 trial\$1) OR (clinical pre/0 monitor\$3) OR (case pre/0 series) OR (case pre/0 report\$1) OR (case pre/0 control\$1) OR (open pre/0 stud\$3) OR (cohort pre/0 stud\$3) |

|    |   |
|----|---|
| 2  | MESH.EXACT("pruritus") OR MJEMB.EXACT("pruritus") OR ti(pruritus) OR (generalised pre/0 pruritus) OR (generalized pre/0 pruritus) OR (generalised pre/0 itch) OR (generalized pre/0 itch) OR (renal pre/0 pruritus) OR (renal pre/0 itch) OR (idiopathic pre/0 pruritus) OR (idiopathic pre/0 itch)   |
| 3  | 1 AND 2   |
| 4  | systemic\$1 OR (oral pre/0 antidepress\$4) OR (oral pre/0 anti-depress\$4) OR MESH.EXACT("Dothiepin") OR EMB.EXACT("dosulepin") OR dothiepin OR mirtazepine OR EMB.EXACT("mirtazapine") OR mirtazapine OR MESH.EXACT("doxepin") OR MESH.EXACT("Doxepin") OR EMB.EXACT("doxepin") OR doxepin OR MESH.EXACT("Amitriptyline") OR EMB.EXACT("amitriptyline") OR amitriptyline OR antihistamine\$1 OR MESH.EXACT("Hydroxyzine") OR EMB.EXACT("hydroxyzine") OR hydroxyzine OR hydroxyzine OR MESH.EXACT("Chlorpheniramine") OR EMB.EXACT("chlorpheniramine") OR chlorpheniramine OR MESH.EXACT("loratadine") OR EMB.EXACT("loratadine") OR loratadine OR EMB.EXACT("fexofenadine") OR fexofenadine OR MESH.EXACT("cetirizine") OR EMB.EXACT("cetirizine") OR cetirizine OR (oral pre/0 prednisolone) OR EMB.EXACT("gabapentin") OR gabapentin OR MESH.EXACT("Pregabalin") OR EMB.EXACT("pregabalin") OR pregabalin OR MESH.EXACT("naltrexone") OR EMB.EXACT("naltrexone") OR naltrexone OR EMB.EXACT("colestyramine") OR cholestyramine OR MESH.EXACT("paroxetine") OR EMB.EXACT("paroxetine") OR paroxetine OR MESH.EXACT("sertraline") OR EMB.EXACT("sertraline") OR sertraline OR MESH.EXACT("ondansetron") OR EMB.EXACT("ondansetron") OR ondansetron OR EMB.EXACT("rifampicin") OR rifampicin |
| 5  | 3 AND 4   |
| 6  | MESH.EXACT("urticaria") OR EMB.EXACT("urticaria") OR urticaria OR MESH.EXACT("eczema") OR EMB.EXACT("eczema") OR eczema OR MESH.EXACT("dermatitis") OR EMB.EXACT("dermatitis") OR dermatitis  |
| 7  | 5 NOT 6   |
| 8  | MESH.EXACT("pruritus ani") OR EMB.EXACT("anus pruritus") OR (pruritus pre/0 ani)  |
| 9  | 7 NOT 8   |
| 10 | Limit 9 to "humans", "adults"   |
| 11 | Limit 10 to publications in the English language  |

**PubMed (Targeted search – pruritus: topicals) carried out 03.03.2012, top-up 23.11.2016**

| Search no. | Keywords   |
|------------|--|
| 1          | meta-analys* OR "systematic review" OR controlled clinical trials, randomized [MeSH Terms] OR randomi* controlled trial* OR randomi* control trial* OR RCT* OR non-randomi* controlled trial* OR non-randomi* control trial* OR controlled clinical trial* OR clinical monitor* OR case series OR case report* OR case control* OR open stud* OR cohort stud*  |
| 2          | pruritus[MeSH Terms] OR pruritus[Title] OR "generalised pruritus" OR "generalized pruritus" OR "generalised itch" OR "generalized itch" OR "renal pruritus" OR "renal itch" OR "idiopathic pruritus" OR "idiopathic itch"  |
| 3          | 1 AND 2  |
| 4          | topical OR topicals OR menthol[MeSH Terms] OR menthol OR crotamiton OR lauromacrogols OR phenol[MeSH Terms] OR phenol OR dothiepin[MeSH Terms] OR dothiepin OR dosulepin OR (topical AND "cannabinoid agonist") OR "topical antihistamine" OR "topical capsaicin" OR "calcineurin inhibitors" OR emollients[MeSH Terms] OR emollients OR "topical corticosteroids" OR pimecrolimus OR tacrolimus[MeSH Terms] OR tacrolimus |

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| 5  | 3 AND 4  |
| 6  | urticaria[MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitis |
| 7  | 5 NOT 6  |
| 8  | pruritus ani[MeSH Terms] OR "pruritus ani"   |
| 9  | 7 NOT 8  |
| 10 | Limit 9 to "humans", "adults"  |
| 11 | Limit 10 to publications in the English language   |

**Medline & EMBASE (Proquest/DialogDatastar) (Targeted search – pruritus: topicals) carried out 03.03.2012, top-up 25.11.2016**

| Search no. | Keywords   |
|------------|--|
| 1          | meta-analys\$2 OR (systematic pre/0 review\$1) OR (randomi\$3 pre/0 control\$3 pre/0 trial\$1) OR RCT\$1 OR (non-randomi\$3 control\$3 pre/0 trial\$1) OR (control\$3 pre/0 clinical pre/0 trial\$1) OR (clinical pre/0 monitor\$3) OR (case pre/0 series) OR (case pre/0 report\$1) OR (case pre/0 control\$1) OR (open pre/0 stud\$3) OR (cohort pre/0 stud\$3)  |
| 2          | MESH.EXACT("pruritus") OR MJEMB.EXACT("pruritus") OR ti(pruritus) OR (generalised pre/0 pruritus) OR (generalized pre/0 pruritus) OR (generalised pre/0 itch) OR (generalized pre/0 itch) OR (renal pre/0 pruritus) ) OR (renal pre/0 itch) OR (idiopathic pre/0 pruritus) OR (idiopathic pre/0 itch)  |
| 3          | 1 AND 2  |
| 4          | topical\$1 OR MESH.EXACT("menthol") OR EMB.EXACT("menthol") OR menthol OR EMB.EXACT("crotamiton") OR crotamiton OR lauromacrogols OR MESH.EXACT("phenol") OR EMB.EXACT("phenol") OR MESH.EXACT("phenols") OR phenol OR MESH.EXACT("dothiepin") OR dothiepin OR EMB.EXACT("dosulepin") OR dosulepin OR (topical pre/0 cannabinoid pre/0 agonist\$1) OR (topical AND (cannabinoid pre/0 agonist\$1)) OR (topical pre/0 antihistamine\$1) OR (topical pre/0 capsaicin) OR (calcineurin pre/0 inhibitor\$1) OR MESH.EXACT("emollients") OR EMB.EXACT("emollient agent") OR emollient\$1 OR (topical pre/0 corticosteroids) OR EMB.EXACT("pimecrolimus") OR pimecrolimus OR MESH.EXACT("tacrolimus") OR EMB.EXACT("tacrolimus") OR tacrolimus |
| 5          | 3 AND 4  |
| 6          | MESH.EXACT("urticaria") OR EMB.EXACT("urticaria") OR urticaria OR MESH.EXACT("eczema") OR EMB.EXACT("eczema") OR eczema OR MESH.EXACT("dermatitis") OR EMB.EXACT("dermatitis") OR dermatitis   |
| 7          | 5 NOT 6  |
| 8          | MESH.EXACT("pruritus ani") OR EMB.EXACT("anus pruritus") OR (pruritus pre/0 ani)   |
| 9          | 7 NOT 8  |
| 10         | Limit 9 to "humans", "adults"  |
| 11         | Limit 10 to publications in the English language   |

**PubMed (Targeted search – pruritus: phototherapy) carried out 03.03.2012, top-up 23.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys* OR "systematic review" OR controlled clinical trials, randomized [MeSH Terms] OR randomi* controlled trial* OR randomi* control trial* OR RCT* OR non-randomi* controlled trial* |

|    |   |
|----|---|
|    | OR non-randomi* control trial* OR controlled clinical trial* OR clinical monitor* OR case series OR case report* OR case control* OR open stud* OR cohort stud*   |
| 2  | pruritus[MeSH Terms] OR pruritus[Title] OR "generalised pruritus" OR "generalized pruritus" OR "generalised itch" OR "generalized itch" OR "renal pruritus" OR "renal itch" OR "idiopathic pruritus" OR "idiopathic itch" |
| 3  | 1 AND 2   |
| 4  | PUVA therapy[MeSH Terms] OR PUVA OR psoralen-UVA OR phototherapy[MeSH Terms] OR phototherapy OR UVB OR "narrowband UVB" OR TL01   |
| 5  | 3 AND 4   |
| 6  | urticaria[MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitis  |
| 7  | 5 NOT 6   |
| 8  | pruritus ani[MeSH Terms] OR "pruritus ani"  |
| 9  | 7 NOT 8   |
| 10 | Limit 9 to "humans", "adults"   |
| 11 | Limit 10 to publications in the English language  |

**Medline & EMBASE (Proquest/DialogDatastar) (Targeted search – pruritus: phototherapy) carried out 03.03.2012, top-up 25.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys\$2 OR (systematic pre/0 review\$1) OR (randomi\$3 pre/0 control\$3 pre/0 trial\$1) OR RCT\$1 OR (non-randomi\$3 control\$3 pre/0 trial\$1) OR (control\$3 pre/0 clinical pre/0 trial\$1) OR (clinical pre/0 monitor\$3) OR (case pre/0 series) OR (case pre/0 report\$1) OR (case pre/0 control\$1) OR (open pre/0 stud\$3) OR (cohort pre/0 stud\$3) |
| 2          | MESH.EXACT("pruritus") OR MJEMB.EXACT("pruritus") OR ti(pruritus) OR (generalised pre/0 pruritus) OR (generalized pre/0 pruritus) OR (generalised pre/0 itch) OR (generalized pre/0 itch) OR (renal pre/0 pruritus) ) OR (renal pre/0 itch) OR (idiopathic pre/0 pruritus) OR (idiopathic pre/0 itch)   |
| 3          | 1 AND 2   |
| 4          | MESH.EXACT("PUVA therapy") OR EMB.EXACT("PUVA") OR PUVA OR psoralen-UVA OR MESH.EXACT("phototherapy") OR EMB.EXACT("phototherapy") OR phototherapy OR UVB OR (narrowband pre/0 UVB) OR TL01   |
| 5          | 3 AND 4   |
| 6          | MESH.EXACT("urticaria") OR EMB.EXACT("urticaria") OR urticaria OR MESH.EXACT("eczema") OR EMB.EXACT("eczema") OR eczema OR MESH.EXACT("dermatitis") OR EMB.EXACT("dermatitis") OR dermatitis  |
| 7          | 5 NOT 6   |
| 8          | MESH.EXACT("pruritus ani") OR EMB.EXACT("anus pruritus") OR (pruritus pre/0 ani)  |
| 9          | 7 NOT 8   |
| 10         | Limit 9 to "humans", "adults"   |
| 11         | Limit 10 to publications in the English language  |

**PubMed (Targeted search – pruritus: complementary therapies) carried out 03.03.2012, top-up 23.11.2016**

| Search | Keywords |
|--------|----------|
|--------|----------|



|     |   |
|-----|---|
| no. |   |
| 1   | meta-analys* OR "systematic review" OR controlled clinical trials, randomized [MeSH Terms] OR randomi* controlled trial* OR randomi* control trial* OR RCT* OR non-randomi* controlled trial* OR non-randomi* control trial* OR controlled clinical trial* OR clinical monitor* OR case series OR case report* OR case control* OR open stud* OR cohort stud* |
| 2   | pruritus[MeSH Terms] OR pruritus[Title] OR "generalised pruritus" OR "generalized pruritus" OR "generalised itch" OR "generalized itch" OR "renal pruritus" OR "renal itch" OR "idiopathic pruritus" OR "idiopathic itch"   |
| 3   | 1 AND 2   |
| 4   | complementary therapies[MeSH Terms] OR "complementary therapy" OR cognitive behavioural therapy[MeSH Terms] OR "cognitive behavioural therapy" OR "cognitive behavioral therapy" OR hypnotherapy[MeSH Terms] OR hypnotherapy OR acupuncture[MeSH Terms] OR acupuncture  |
| 5   | 3 AND 4   |
| 6   | urticaria[MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitis  |
| 7   | 5 NOT 6   |
| 8   | pruritus ani[MeSH Terms] OR "pruritus ani"  |
| 9   | 7 NOT 8   |
| 10  | Limit 9 to "humans", "adults"   |
| 11  | Limit 10 to publications in the English language  |

**Medline & EMBASE (Proquest/DialogDatastar) (Targeted search – pruritus: complementary therapies) carried out 03.03.2012, top-up 25.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys\$2 OR (systematic pre/0 review\$1) OR (randomi\$3 pre/0 control\$3 pre/0 trial\$1) OR RCT\$1 OR (non-randomi\$3 control\$3 pre/0 trial\$1) OR (control\$3 pre/0 clinical pre/0 trial\$1) OR (clinical pre/0 monitor\$3) OR (case pre/0 series) OR (case pre/0 report\$1) OR (case pre/0 control\$1) OR (open pre/0 stud\$3) OR (cohort pre/0 stud\$3) |
| 2          | MESH.EXACT("pruritus") OR MJEMB.EXACT("pruritus") OR ti(pruritus) OR (generalised pre/0 pruritus) OR (generalized pre/0 pruritus) OR (generalised pre/0 itch) OR (generalized pre/0 itch) OR (renal pre/0 pruritus) ) OR (renal pre/0 itch) OR (idiopathic pre/0 pruritus) OR (idiopathic pre/0 itch)   |
| 3          | 1 AND 2   |
| 4          | MESH.EXACT("complementary therapies") OR EMB.EXACT("alternative medicine") OR (complementary pre/0 therap\$3) OR (cognitive pre/0 behavio*ral pre/0 therap\$3) OR hypnotherapy OR MESH.EXACT("acupuncture") OR EMB.EXACT("acupuncture") OR acupuncture  |
| 5          | 3 AND 4   |
| 6          | MESH.EXACT("urticaria") OR EMB.EXACT("urticaria") OR urticaria OR MESH.EXACT("eczema") OR EMB.EXACT("eczema") OR eczema OR MESH.EXACT("dermatitis") OR EMB.EXACT("dermatitis") OR dermatitis  |
| 7          | 5 NOT 6   |
| 8          | MESH.EXACT("pruritus ani") OR EMB.EXACT("anus pruritus") OR (pruritus pre/0 ani)  |
| 9          | 7 NOT 8   |
| 10         | Limit 9 to "humans", "adults"   |
| 11         | Limit 10 to publications in the English language  |

**PubMed (Targeted search – pruritus: novel treatments) carried out 03.03.2012, top-up 23.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys* OR "systematic review" OR controlled clinical trials, randomized [MeSH Terms] OR randomi* controlled trial* OR randomi* control trial* OR RCT* OR non-randomi* controlled trial* OR non-randomi* control trial* OR controlled clinical trial* OR clinical monitor* OR case series OR case report* OR case control* OR open stud* OR cohort stud* |
| 2          | pruritus[MeSH Terms] OR pruritus[Title] OR "generalised pruritus" OR "generalized pruritus" OR "generalised itch" OR "generalized itch" OR "renal pruritus" OR "renal itch" OR "idiopathic pruritus" OR "idiopathic itch"   |
| 3          | 1 AND 2   |
| 4          | "novel treatment" OR "novel therapy" OR ("histamine H4 receptor" AND blocker) OR "K-opioid agonist" OR "neurokinin 1 receptor agonists" OR aprepitant   |
| 5          | 3 AND 4   |
| 6          | urticaria[MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitis  |
| 7          | 5 NOT 6   |
| 8          | pruritus ani[MeSH Terms] OR "pruritus ani")   |
| 9          | 7 NOT 8   |
| 10         | Limit 9 to "humans", "adults"   |
| 11         | Limit 10 to publications in the English language  |

**Medline & EMBASE (Proquest/DialogDatastar) (Targeted search – pruritus: novel treatments) carried out 03.03.2012, top-up 25.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | meta-analys\$2 OR (systematic pre/0 review\$1) OR (randomi\$3 pre/0 control\$3 pre/0 trial\$1) OR RCT\$1 OR (non-randomi\$3 control\$3 pre/0 trial\$1) OR (control\$3 pre/0 clinical pre/0 trial\$1) OR (clinical pre/0 monitor\$3) OR (case pre/0 series) OR (case pre/0 report\$1) OR (case pre/0 control\$1) OR (open pre/0 stud\$3) OR (cohort pre/0 stud\$3) |
| 2          | MESH.EXACT("pruritus") OR MJEMB.EXACT("pruritus") OR ti(pruritus) OR (generalised pre/0 pruritus) OR (generalized pre/0 pruritus) OR (generalised pre/0 itch) OR (generalized pre/0 itch) OR (renal pre/0 pruritus) ) OR (renal pre/0 itch) OR (idiopathic pre/0 pruritus) OR (idiopathic pre/0 itch)   |
| 3          | 1 AND 2   |
| 4          | (novel pre/0 treatment\$1) OR (novel pre/0 therap\$3) OR ((histamine pre/0 H4 pre/0 receptor\$1) AND (blocker\$1 OR antagonist\$1)) OR (K-opioid pre/0 agonist) OR (neurokinin pre/0 1 pre/0 receptor pre/0 agonist\$1) OR aprepitant   |
| 5          | 3 AND 4   |
| 6          | MESH.EXACT("urticaria") OR EMB.EXACT("urticaria") OR urticaria OR MESH.EXACT("eczema") OR EMB.EXACT("eczema") OR eczema OR MESH.EXACT("dermatitis") OR EMB.EXACT("dermatitis") OR dermatitis  |
| 7          | 5 NOT 6   |
| 8          | MESH.EXACT("pruritus ani") OR EMB.EXACT("anus pruritus") OR (pruritus pre/0 ani)  |
| 9          | 7 NOT 8   |

|    |  |
|----|--|
| 10 | Limit 9 to “humans”, “adults”                    |
| 11 | Limit 10 to publications in the English language |

**PubMed (Targeted search – pruritus: iron) carried out 14.01.2013, top-up 23.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | pruritus[MeSH Terms] OR pruritus[Title] OR “generalised pruritus” OR “generalized pruritus” OR “generalised itch” OR “generalized itch” OR “renal pruritus” OR “renal itch” OR “idiopathic pruritus” OR “idiopathic itch” |
| 2          | ferritins[MeSH Terms] OR ferritin* OR iron[MeSH Terms] OR iron OR ferrous   |
| 3          | 1 AND 2   |
| 4          | urticaria[MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitis  |
| 5          | 3 NOT 4   |
| 6          | pruritus ani[MeSH Terms] OR “pruritus ani”  |
| 7          | 5 NOT 6   |
| 8          | Limit 7 to “humans”, “adults”   |
| 9          | Limit 8 to publications in the English language   |

**Medline & EMBASE (Proquest/DialogDataStar) (Targeted search – pruritus: iron) carried out 14.01.2013, top-up 25.11.2016**

| Search no. | Keywords  |
|------------|---|
| 1          | MESH.EXACT("pruritus") OR MJEMB.EXACT("pruritus") OR ti(pruritus) OR (generalised pre/0 pruritus) OR (generalized pre/0 pruritus) OR (generalised pre/0 itch) OR (generalized pre/0 itch) OR (renal pre/0 pruritus) ) OR (renal pre/0 itch) OR (idiopathic pre/0 pruritus) OR (idiopathic pre/0 itch)   |
| 2          | Ferritins[MeSH Terms] OR EMB.EXACT("ferritin") OR ferritin\$1 OR iron[MeSH Terms] OR EMB.EXACT("iron") OR iron OR ferrous   |
| 3          | 1 AND 2   |
| 4          | Urticaria [MeSH Terms] OR urticaria OR eczema[MeSH Terms] OR eczema OR dermatitis[MeSH Terms] OR dermatitisMESH.EXACT("urticaria") OR EMB.EXACT("urticaria") OR urticaria OR MESH.EXACT("eczema") OR EMB.EXACT("eczema") OR eczema OR MESH.EXACT("dermatitis") OR EMB.EXACT("dermatitis") OR dermatitis |
| 5          | 3 NOT 4   |
| 6          | MESH.EXACT("pruritus ani") OR EMB.EXACT("anus pruritus") OR (pruritus pre/0 ani)  |
| 7          | 5 NOT 6   |
| 8          | Limit 7 to “humans”, “adults”   |
| 9          | Limit 8 to publications in the English language   |