**Appendix I: Search strategies**

**Database: Ovid MEDLINE(R) 1946 to April Week 1 2015**

Search Strategy:

1 alpha 1-Antitrypsin/

2 alpha-1 antitrypsin.ti,ab.

3 alpha 1 antitrypsin.ti,ab.

4 alpha1 antitrypsin.ti,ab.

5 alpha-1-at.ti,ab.

6 alpha-1-antitrypsin.ti,ab.

7 alpha one antitrypsin.ti,ab.

8 alpha one antitrypsin.ti,ab.

9 AAT.ti,ab.

10 A1AT.ti,ab.

11 AATD.ti,ab.

12 deficien$ or lack$.ti,ab.

13 alpha 1-Antitrypsin Deficiency/

14 or/1-10

15 12 and 14

16 11 or 13 or 15

17 limit 16 to humans

**Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations April 09, 2015**

Search Strategy:

1 alpha-1 antitrypsin.ti,ab.

2 alpha 1 antitrypsin.ti,ab.

3 alpha1 antitrypsin.ti,ab.

4 alpha-1-at.ti,ab.

5 alpha-1-antitrypsin.ti,ab.

6 alpha one antitrypsin.ti,ab.

7 alpha one-antitrypsin.ti,ab.

8 alfa 1 antitrypsin.ti,ab.

9 AAT.ti,ab.

10 A1AT.ti,ab.

11 AATD.ti,ab.

12 deficien$ or lack$.ti,ab.

13 or/1-10

14 12 and 13

15 11 or 14

**Database: Embase (Ovid) 1974 to 2015 April 09**

Search Strategy:

1 alpha-1 antitrypsin.ti,ab.

2 alpha 1 antitrypsin.ti,ab.

3 alpha1 antitrypsin.ti,ab.

4 alpha-1-at.ti,ab.

5 alpha-1-antitrypsin.ti,ab.

6 alpha one antitrypsin.ti,ab.

7 alpha one-antitrypsin.ti,ab.

8 alfa 1 antitrypsin.ti,ab.

9 AAT.ti,ab.

10 A1AT.ti,ab.

11 or/1-10

12 deficien$. or lack$.ti,ab.

13 11 and 12

14 AATD.ti,ab.

15 exp alpha 1 antitrypsin deficiency/

16 13 or 14 or 15

**Databases : Cochrane Library (Wiley) CENTRAL issue 3 of 12 2015, CDSR Issue 4 of 12 2015, HTA, EED and DARE Issue 1 of 4**

Search date: 10/04/2015

Search strategy:

#1 "alpha-1 antitrypsin"

#2 "alpha 1 antitrypsin"

#3 "alpha1 antitrypsin"

#4 "alpha-1-at"

#5 "alpha-1-antitrypsin"

#6 "alpha one antitrypsin"

#7 "alpha one-antitrypsin"

#8 "alfa 1 antitrypsin"

#9 deficien\* or lack\*

#10 #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8

#11 #9 and #10

#12 AATD

#13 MeSH descriptor: [alpha 1-Antitrypsin Deficiency] explode all trees

#14 #11 or #12 or #13

**Appendix II:** **List of Unspecified Treatments Attempted**

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| **Single-Agent Antibiotics** | **Combination Abx** |
| Nafcillin | 1 |  | Dapsone & Doxycycline | 1 |
| Tetracycline | 3 |  | Penicillin, ampicillin, cephalexin, geocillin, cloxaeillin, cephalothin | 1 |
| Doxycycline | 6 |  | Topical abx and erythromycin | 1 |
| Clindamycin | 2 |  | Ampicillin and Doxycycline | 1 |
| Cefazolin | 2 |  | Co-amoxiclav and vancomycin | 1 |
| Ampicillin | 1 |  | Oxacillin and Cephalothin | 1 |
| Lincomycin | 1 |  | Dapsone and sulfamethoxypyridazine, doxycycline | 1 |
| Sulfonamide | 1 |  | "Antibiotics" | 1 |
| Penicillin | 1 |  | "Multiple courses of antibiotics" | 1 |
| Erythromycin | 1 |  |  |  |
| Minocycline | 2 |  | **Steroids & Abx** |
|  |  |  | Methylprednisolone and dapsone | 2 |
| **Other Treatments** |  | "Antibiotics" and prednisolone | 3 |
| Colchicine and cloxacillin | 1 |  | "Steroids and antibiotics" | 1 |
|  |  |  | Prednisolone & ciprofloxacin | 1 |
| Plama exchange, theophylline, hydrocortisone | 1 |  | Prednisolone & doxycycline | 1 |
| Aprotinin | 1 |  | Prednisolone & doxycycline & dapsone | 1 |
| Ketoconazole | 1 |  | Deflazacort & minocycline | 1 |
| Lugol's Iodine | 1 |  |  |  |
| Hydroxychloroquine | 1 |  | **List of Immunosuppressants** |
| Vitamin E | 1 |  | Prednisolone | 12 |
| Unknown "medical and surgical Rx" | 1 |  | Methylprednisolone | 2 |
| Clemastine, phenylpropanolamine, amoxicillin | 1 |  | Dexamethasone | 1 |
| Minocycline, K iodide, sulfone/dapsone | 1 |  | Cyclophosphamide | 1 |
| Cryotherapy | 1 |  | Ciclosporin | 1 |
| Minocycline & K iodide | 1 |  | "Systemic steroid" | 1 |
| Hydrochloroquine & prednisolone | 1 |  | Dexamethasone and cyclophosphamide | 1 |
|  |  |  | Deflazacort | 1 |
| **List of NSAIDs** |  |  |  |
| Colchicine | 4 |  |  |  |
| Ibuprofen | 1 |  |  |  |
| Diclofenac | 1 |  |  |  |
| "NSAIDs" | 2 |  |  |  |
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| Appendix II – The List of Unspecified Treatments Attempted to Control AATD-Panniculitis, and the Numbers of Patients to Receive Them. (Abx: antibiotic) |  |
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