

# Asthma Guidelines – EPR3 Literature Review Search Strategy Progress Summary

## Immunomodulators

### Search Strategies

#### **March 23, 2006 Mini-Update Search (Covering Dec. 1, 2005 – Mar. 15, 2006):**

Run the strategy—with just updated dates:

Asthma AND (omalizumab OR Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND 2005/12/01:2006/03/15[dp] AND English[la] AND human[mh] AND hasabstract  
12 hits

Run the strategy with the updated dates and the publication-type limiters too:

Asthma AND (omalizumab OR Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND 2005/12/01:2006/03/15[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]))  
**2 hits**

Get the residual set, which is the first set NOT second set. In my Pubmed session, it was:

#1 NOT #2

**10 hits**

#### **January 9, 2006 Mini-Update Search (Covering Oct 2, 2005 – Jan 1, 2006):**

Run the strategy—with just updated dates:

Asthma AND (omalizumab OR Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND 2005/10/02:2006/01/01[dp] AND English[la] AND human[mh] AND hasabstract  
**3 hits**

Run the strategy with the updated dates and the publication-type limiters too:

Asthma AND (omalizumab OR Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND 2005/10/02:2006/01/01[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]))  
0 hits

#### **Additional search run on November 30, 2005:**

Asthma AND (omalizumab OR Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND 1999/01/01:2005/11/02[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]))  
55 results

Checked for duplicates on the list of 79 and the Update list of 8; removed duplicates to get a final set of **30 results**.

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### **November 2, 2005 Mini-Update Search (covering June 27, 2005 – Nov 2, 2005):**

Run original strategy—with just updated dates:

Asthma AND (omalizumab OR Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND 2005/06/27:2005/11/02[dp] AND English[la] AND human[mh] AND hasabstract

**7 results**

Now limit to specific types of studies (RCTs, meta-analysis, and systematic reviews):

Asthma AND (omalizumab OR Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND 2005/06/27:2005/11/02[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]))

**0 results**

### **July 2005 UPDATE (limiting by RCTs, meta-analysis, and systematic reviews and new date range):**

Asthma AND (omalizumab OR Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND (adverse effects[sh] OR treatment outcome[mh] OR therapeutic equivalency[mh]) AND 2001/01/01:2005/07/27[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]))

**20 results - compared to previously screened = 8 results**

### **May 2005 Search Strategy (interim – to answer questions about specific cites):**

Asthma AND (Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND (adverse effects[sh] OR treatment outcome[mh] OR therapeutic equivalency[mh]) AND 2004/11/01:2005/05/23[dp] AND English[la] AND human[mh] AND hasabstract

**4 results**

If we add 'omalizumab' as term:

Asthma AND (omalizumab OR Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND (adverse effects[sh] OR treatment outcome[mh] OR therapeutic equivalency[mh]) AND 2004/11/01:2005/05/23[dp] AND English[la] AND human[mh] AND hasabstract

**4 results**

An additional search:

Asthma AND (omalizumab OR Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND (adverse effects[sh] OR treatment outcome[mh] OR therapeutic equivalency[mh] OR therapeutic use[sh]) AND 2004/11/01:2005/05/23[dp] AND English[la] AND human[mh] AND hasabstract

**18 results** (204 total if I change date range to Jan 2001-May 2005 to capture Xolair papers)

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**November 2004 Search Strategy:**

Asthma AND (Methotrexate OR Cyclosporine OR Gold OR Hydroxychloroquine OR Tacrolimus OR Troleandomycin OR Clarithromycin OR anti-IgE OR Receptors, Interleukin-2 OR Receptors, Interleukin-4 OR Integrin antagonists OR Intravenous immunoglobulin) AND (adverse effects[sh] OR treatment outcome[mh] OR therapeutic equivalency[mh]) AND 1997/01/01:2004/11/01[dp] AND English[la] AND human[mh] AND hasabstract

**79 results**