AN ANALYSIS OF USER-DESIGNATED INEFFECTIVE MEDLINE SEARCHES

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INTRODUCTION

The National Library of Medicine (NLM) has taken responsibility for indexing the World's medical literature and providing access to it in both printed and computer form. The computer system that stores the bibliographic information is known as MEDLARS and users can access it with computer terminals connected to dial-up telephone lines, leased telephone lines, or packet switching networks.

As part of its ongoing effort to evaluate the quality of the online search service it provides, NLM contracted with the American Institutes for Research (AIR) in Palo Alto, California to interview users to determine:

1. The reasons why users performed MEDLARS searches.
2. The kind of information the users were seeking in their searches.
3. The search strategies used.
4. The information obtained from the searches.
5. How the information obtained from the searches was used in decision making.
6. What the outcome was of using the information from the searches.

This information was synthesized to develop taxonomies that describe why individuals needed information from the MEDLARS system, why they chose to do a MEDLARS search, and the impact of the information on medical decision making. These taxonomies can be found in Wilson, Sandra R. and Norma Starr-Schneidkraut Use of the Critical Incident Technique to Evaluate the Impact of MEDLINE. Final Report. Contract N01-LM-8-3529. American Institutes for Research, Palo Alto, CA. July 1989.

The methodology used to derive the taxonomies began with interviews of searchers. The individuals were asked to describe searches (or incidents) that were or were not helpful. A total of 551 interviews were completed by AIR. Those selected to be interviewed were not a random sample since a number of qualifications were imposed on the sampling process. Thus no statistical inferences should be made about the nature of the population from the interview results.
When individuals were asked whether they were willing to participate, they were also asked whether the researchers could examine the transaction logs of their searches. NLM keeps a log of all transactions processed by the MEDLARS system. This log is used for billing and computer performance analysis, but with participant agreement it can serve as a record of the actual keystrokes the user typed and the response received from the MEDLARS system. Each of the 551 individuals agreed to let the researchers examine their transaction logs and 125 incidents interviews were successfully coupled with the logs.

The purpose of the present study is to examine the 26 incidents that users reported as ineffective and for which there was a matching transaction log available.\footnote{In the detailed examination of the transaction logs, it was determined that two of the incidents might not be actual matches to the searches described in the interviews.} The goal of the research was to categorize the nature of the ineffective searches, analyze the relation between what the user said and what the transaction log said happened during the search, and ascertain whether a search could have been performed which would have met the user's objective. An additional goal was to analyze what kinds of changes to the online search system software could have minimized the number of ineffective searches, and to point out the areas in which the users seemed to be least cognizant of the system features (e.g. files and Medical Subject Headings (MeSH) indexing).
ANALYSIS OF USER INTERVIEWS

Ten open-ended questions were asked of users participating in the study. The wording of the questions varied depending on whether the user considered the search to have had an effective or ineffective outcome. Since the present analysis concerns only the ineffective searches, only some of that category of answers will be reviewed here.

One of the questions asked was the way in which the search or its result was unsatisfactory to the user. Twenty-three of the 26 users responded that they could not find what they were looking for and/or could not find relevant materials. Two searchers felt the materials they were looking for were too recent to be in the MEDLARS databases, three people felt they got too much extraneous material, and one person felt that the material he was seeking was not being indexed by MEDLARS.²

Users were asked to describe the situation that led them to perform the online search and later to describe the outcome of the situation, given that they had performed the search and obtained ineffective results. In most instances the consequences of the ineffective search did not involve medical treatment. Nine respondents simply said they or someone else would have to try the search again to find the answer. Six respondents indicated they had used manual literature search techniques to find the information they needed. Two users said that the consequence of not finding the needed information was to produce a paper that had incomplete references in it, and another two users stated they had deferred completing a paper because of the lack of information. Two other users stated that they were pleased with not getting any information because that helped verify a problem.

There were six incidents reported in which the ineffective search had medical treatment implications. The user's descriptions of the situation that led them to do the search are recorded below and an analysis of the search performed and outcome will be discussed in the next section.

1. "I am preparing a presentation for grandrounds on a patient I have with p[eso]roxosomal disorder. Peso]roxisomes are intracellular organelles that can produce 45 different disorders in children, including dysmorphic features, enlarged

²Total responses are greater than total searches since a respondent often stated more than one reason for feeling the search was ineffective.
livers, retardation, seizures, retinitis pigmentosa, etc. They are involved in the metabolic reactions of amino acids and fatty acids where the disorder can cause defects in embryogenesis." (01-0364-01).

2. "I am clinical attending in the ICU and the house staff had a problem with a patient with Torsade de Pointes ventricular tachycardia, where height of top varies from beat to beat and the bottom looks like a wave. It occurs with anti-arrhythmic drugs and is life-threatening. I know the management but wanted reviews to teach residents." (01-0393-01).

3. "A patient who had a heart transplant developed lymphoma. The transplant surgeons were treating the patient with acyclovir for the lymphoma because of the relationship to Epstein-Barr virus. They thought the lymphoma was caused by the Epstein-Barr virus. Fellow in hematology had never heard of this. Where did they get [the] idea to treat the patient this way?" (01-0604-02).

4. "We had several children who presented with abdominal adenopathies. They had lymphadenopathies that looked like progressive transformation germinal centers. It is unusual for these to be present in the abdomen." (01-0658-01).

5. "I had a patient with an unusual lower jaw tumor—an intrabony neurofibroma of the mandible. There are few reports of this tumor, and I wanted to see how it was treated in the past." (02-0327-03).

6. "I'm working with a new device called patient-controlled analgesia (PCA). It's a computer-controlled infusion pump that allows us to put a large syringe of morphine in this pump, hooked to the patient's IV. So when the patient feels pain, they can press a trigger to self-infuse the drug to relieve their pain in a very safe manner. We are just starting to use this system, and I wanted to learn about what experience others have with PCA." (02-0448-01).
The methodology used to evaluate the searcher, searches, and system performance was to examine the transcription of the interview with the user, look at the transaction log of the search, and ascertain whether in our opinion the search was conducted adequately, or whether there were other problems that prevented the user from obtaining the desired information.

Appendix A (page 16) contains a detailed analysis of each search. An index to these analyses can be found on page 3. The analysis is divided into three parts. The first part describes the nature of the users' inquiry. The second part describes the strategy that was used to search the MEDLINE system. The third part suggests an alternate strategy that seemingly would have retrieved relevant materials.

Appendix B (page 43) contains trial MEDLARS searches for each of the incidents that we judged the user's search could be improved. An index to these searches is on page 4.

The following table is a summary of specific conclusions about each search. The first column of the table contains complete quotations from the interview question "In what way was the search or its results unsatisfactory?". The number in parentheses is an Incident Number assigned to the search. The second column is a brief analysis of the search and the search results.

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<th>Analysis of Search and Results</th>
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<td>1. I couldn't find article. (01-0126-02).</td>
<td>Searcher did not go beyond the current MEDLINE file to find the specific citation so missed it. Searcher did not make use of MeSH for the topic-used only a text word (hispanic) rather than hispanic americans. Missed one subject area of inquiry.</td>
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2. I didn't find the paper I was looking for. The paper was too recent—it may have been in press. (01-0138-01).

3. There was nothing current or anything that would pinpoint a direction we should be going in, for this retinal binding protein. If it's being published, it's being covered in journals not covered by the ELHILL system. (01-0139-01).

4. I got 30 articles on adolescents as far as the immune system being disrupted that were not what I wanted. I found no new sources that had any useful information that I needed. (01-0212-02).

5. I got information that was totally irrelevant. (01-0212-03).

Search was fine, but paper the searcher was seeking was probably too recent to be in MEDLINE.

Searcher took a very narrow approach to his search and ultimately reached the wrong conclusions about the availability of information in the file. He used too few MeSH trees. He should have looked at vitamin a in addition to vitamin a deficiency. Interview indicates that he said he did a lot more searching than the log reflects.

The searcher missed finding a whole body of citations in his search because he did not use the MeSH tree pertaining to adolescence. He did not use MeSH to narrow his search to psychological issues. The transaction log shows a lack of knowledge of MeSH.

Searcher ultimately found the correct MeSH heading and did a good search. Searcher wished that Grateful Med had told him that cat scratch had to be entered as a hyphenated word.
6. I got too much animal work. I got so much I really got nothing—there were too many irrelevant articles to review. (01-0364-01).

Searcher did an effective search. One category of literature might have been omitted from his search due to his strategy (microbodies), but the search turned out fine.

7. I couldn't get the information I wanted, with the restrictions I put in. (01-0364-02).

Search was very simplistic. User claimed that he used MeSH when the log shows he did not. Not using MeSH was a serious problem.

8. No breakdown that separated this condition from general ventricular tachycardia. Abstracts only mentioned Torsade de Pointes even though I specifically searched by MeSH heading Torsade de Pointes. (01-0393-01).

Searcher used a term that was cross-referenced to another broader term and retrieved many articles that were not related to his term specifically. The system did not tell him that his term was being mapped to a broader term. (Torsade de Pointes is a 'see' reference to tachycardia).

9. I never found article I was looking for. (01-0422-02).

This was a good search. Could be that MEDLARS didn't index the journal. Interviewer should have probed for the specifics of the sought-after article.

10. Fellow found out later from the transplant surgeons that the literature he wanted was in transplantation proceedings. He found no evidence of relationship to Epstein-Barr. (01-0604-02).

Searcher was too narrow in his approach to the search and missed retrieving potentially relevant materials. He did not explode the lymphoma tree and thus lost a number of references. He was inconsistent in entering the text words he selected when searching across files.

11. None of the papers were on the mark—we got only papers where the phenomenon in vitro was studied, instead of in vivo. (01-0613-03).

Searcher did not use MeSH. Used one term and then a text word. The search was too narrow because of the text word.
12. This is a rare phenomenon in children. I could not cite a similar case for the clinician or tell how a patient was treated. (01-0658-01).

13. I confirmed I didn't miss any in the past, but I don't know how many papers have come out more recently. I couldn't tell how much I missed. (01-0674-02).

14. No information was obtained. (02-0327-03).

15. I couldn't find literature that provided good peer review of PCA. But the topic is so new that I may be on the forefront of experience. (02-0448-01).

16. We didn't learn anything more about other diseases with similar symptoms to measles. (02-0453-02).

17. I couldn't access what I really wanted. I have a

Interview indicates searcher issued commands that are not shown in the transaction log. Should have made use of MeSH trees. Too narrow a search by just using text words. Should have searched CANCERLINE and did not.

Searcher should have searched the AIDSLINE file but did not. MeSH indexing fairly good on the topic but he did not demonstrate in his search that he knew how to use it.

The documents related to his topic were indexed in two different ways in MEDLINE. To have found both sets he needed to broaden his search strategy. He also needed to search CANCERLINE as well as MEDLINE. He limited the search to English which got rid of the one relevant article he found with his search strategy.

Searcher used the wrong MeSH headings even though he called NLM to find out the correct ones. He used the term self medication instead of the term self administration, which was the one NLM suggested.

Searcher's report on the search and the log of the search do not coincide. He was looking at the relation between measles and two other viruses but he only did his search with the term measles and limited it to the subheading prevention and control.

MeSH indexing is widely scattered on this topic. Did
feeling there should be much more articles out there that specifically address my concern. (02-0622-03).

18. I didn't have my questions answered. I assume there is literature that will answer my questions, but I don't know where it is. (03-0114-02).

19. It's really hard to believe that nobody's done any articles on this subject. Or, it may be that they're classified and indexed in a different way. It's frustrating not to be able to access articles in your own field. (03-0259-03).

20. It wasn't relevant information for my needs. (03-0267-02).

21. Grateful Med didn't give me what I was looking for. I had to go to BRS Colleague to find the information. (03-0269-01).

have one fairly effective strategy but by the vicissitudes of the indexing he missed some useful articles. Did search the correct file.

Searcher did the search reasonably correctly, but did not look at the results of one search statement that would have contained the best information. Did not explore all facets of his search request. Quit searching before exploring all avenues.

The search was fine, there was nothing in the file to meet the searcher's needs.

Searcher made a fatal error by not truncating the text word to allow for the possessive form of the term. Only used one term instead of exploding an appropriate tree and using that term. Should have broadened his strategy.

There was one MeSH term that would have given the searcher the desired results, but it was not found nor used.
22. Only two articles were anywhere near relevant. It was unsatisfactory in that I got three that were not related. (03-0340-02).

Searcher used the wrong search strategy and got incomplete information. Also, used the wrong database, CLINPROT. He thought CLINPROT would contain citations. He should have used MEDLINE and CANCERLINE but only used CLINPROT.

23. I got nothing fruitful for our purposes. (03-0376-02).

Searcher's interview and the transaction log do not coincide. Searcher did not use MeSH properly. Used text word consultation not MeSH referrals and consultation.

24. I didn't find out what I wanted to know about the pathology of lymphoblastic lymphomas. (03-0677-03).

MeSH indexing is imprecise for the topic. Searcher needed to be more creative in alternative strategies to find the material.

25. None of the articles I found quite addressed the problem I was trying to solve. It was not clear whether or not people had looked for those receptors on cancer cells. (03-0705-02).

Searcher did a reasonable job. CANCERLINE should have been searched for the material as well as MEDLINE.

26. It did not give me the information I wanted. I realized now that this was because I was asking for book titles and MEDLINE was dutifully trying to give me journal articles. (03-0706-01).

Searcher needed book titles. Used MEDLINE instead of CATLINE but discovered the error himself and redid the search later.

The six searches having medical treatment implications require further analysis. Incident number 01-0364-01 (item number 6 above) has a positive outcome from the search standpoint. The user did a very good search, repeated it to limit it to humans, and found only one article that he felt was relevant. He was concerned that he had made a mistake in his search, but he was correct and the search should be considered effective. There was no way for the user to know
this to be the true situation.

In incident number 01-0393-01 (item 8) the searcher reported that the "[p]atient was treated successfully based on the knowledge we had. It was not impacted by lack of references." This search represents a situation where the ELHILL system failed to give the user adequate information. The system did not tell the user that Torsade de Pointes was a 'see' reference to tachycardia and the searcher became confused when he obtained materials on forms of tachycardia other than Torsade de Pointes. This problem could be corrected by having ELHILL tell the user about the cross reference.

Incident number 01-0604-02 (item 10) is typical of many of the twenty-six that were examined. The searcher did not make effective use of MeSH. The searcher "...found no evidence for continuing acyclovir based on general literature and recommended that they stop". After conducting a search on this topic, a number of citations were found that were potentially relevant. This case is one where a lack of understanding of MeSH may have resulted in an inappropriate medical decision. Further medical analysis will be required to verify this issue.

In incident 01-0658-01 (item 12) the searcher indicates that "There was no serious impact" of not finding citations on abdominal adenopathies that look like progressive transformation germinal centers. Later in the interview he reports that "The child got another lymphoma and was treated. Patient is doing fine now. Prognosis is uncertain; child may survive a few more years". Within this context, it would have been useful if the MEDLARS search had provided more information.

The topic is difficult to search in MEDLARS, nevertheless the user took a very narrow approach and omitted searching CANCERLINE as well as MEDLINE.

Incident 02-0327-03 (item 14) involved searching for citations about neurofibroma of the mandible. Like other searches described above, the user did not broaden his search enough to cover the possible ways the materials could have been indexed. He failed to find any relevant citations he could use to help him decide on the treatment of the tumor, but he was able to obtain useful information because by chance one of the latest journals he received contained a list of 40 cases that had been published on the topic.

The searcher in 02-0448-01 (item 15) used the results of the search to prepare handouts on patient-controlled analgesia based on a MEDLINE search which used the wrong MeSH heading. There is no direct medical treatment implications, but there is a potential secondary effect if the trainers received incorrect information and then used it for patient care.
CONCLUSIONS ABOUT SEARCHING AND INDEXING

Searching Patterns

The most apparent conclusion from studying the interviews and the transaction logs is that users are relying on the use of text words in their search to the exclusion of understanding MeSH. Users do not seem to understand:

1. How to do subject searching.
2. How MeSH works.
3. How they can apply that understanding to map their search request into a vocabulary that is likely to retrieve considerably more relevant materials.

The medical community is extremely fortunate that NLM maintains MeSH, and yet the searches we examined take little advantage of this essential and extraordinary tool. Many of the problems we found in searching could have been remedied by a better user understanding of MeSH. Undoubtedly, a majority of the future users of MEDLARS will not receive comprehensive training in the ELHILL system or in MeSH. Some way must be developed to convey the importance of MeSH to the users and give the users access to the MeSH structure. This could mean:

1. A redesign of Grateful Med to allow better browsing of the MeSH tree (beyond 'explode').
2. The graphic display of MeSH trees on Personal Computers so as to take advantage of graphics hardware boards on these machines. Allow users to point to the section of the tree to use in a search.
3. Transmitting floppy disks or CD-ROM disks containing MeSH to Grateful Med users.
4. Supplying hardcopy editions of MeSH with Grateful Med subscriptions and including a video or cassette tape explaining how to use it.

There are a number of more specific observations that can be made about the ways the users searched. These observations were derived from the analysis of the ineffective searches but appear to be more generally applicable:
1. Searchers are not always using the most appropriate MEDLARS file. Almost all searches start out in MEDLINE, but infrequently do the users shift to CANCERLINE, AIDSLINE, or CATLINE, for example, even though it might be very appropriate to do so. It is our impression that users do not necessarily understand the difference between these files.

2. When users search back files for the same information, they are not systematic. We found several cases where one set of back files would simply be skipped. In addition, users usually do not take advantage of the stored search facility to rerun the same search on different files.

3. Some searchers are sloppy. Examples: a user does a search, obtains a retrieval set of citations, then does not look at the retrieved set. Example: a user will be inconsistent in the search strategy used in searching a series of back files on the same topic.

4. Users are not conducting interactive searches. An interactive search is one in which the user retrieves some information and then uses that information to revise the search strategy and searches again. An example of this is to retrieve some citations, display a few of them, find one or two that seem relevant, look at the indexing of those that are found relevant, and revise the search to use the indexing of the relevant documents. We found no examples of interactive searches in the sets we examined.

5. Text word searching is one of the most frequently occurring methods of locating materials that we found. Users seem to assume that the form of a text word that they enter will be exactly the form that it will be found in the file. They also do not seem to realize that a text word search only searches the title and abstract fields, not the MeSH fields. Truncation is not being used very often, yet it is a critical ingredient to successful text word searching.

Indexing

Half the problem in online searching is using the correct commands and terms to retrieve relevant materials. The other half is using the right terms to index the document. Indexing is an art and numerous studies have shown that there is considerable variability in the way a single document will be indexed by individuals with the same level of skills. NLM exercises extraordinary control over indexing quality, but there are bound to be cases where the indexing that the user
expects to be applied to a document and that which the indexer assigns to the document do not coincide. Articles written in newly emerging fields or articles that cross-over between existing fields present problems for the indexer and the searcher. Searchers need to understand that they can not expect one single search strategy to work to retrieve materials because of indexer variations. They must try alternatives.
SUMMARY

This paper has analyzed twenty-six searches that users considered to be ineffective and for which there were matching ELHILL transaction logs available. The methodology employed for this study was to examine the written transcript of the interview with the user, the ELHILL transaction log of the search conducted by the user, and then make a subjective decision whether the user's search strategy was adequate in order to met the user's stated requirements. If we felt the search was not adequate, an analysis of it was made and a new search performed. General comments about each search appear in the text of the report. Detailed evaluations of each search can be found in Appendix A, and trial searches are logged in Appendix B.

Six of the twenty-six users who had ineffective searches conducted them to facilitate medical treatment. One of the six felt that his search was unsatisfactory because he did not find any relevant material. We judged his search to be accurate. While the result was unsatisfactory, the search was fine. The other five cases represent situations where the search strategy could have been improved and potentially relevant material retrieved.

In general, searchers tended not to use MeSH to help them find materials in the file and relied heavily on text word searching. The searchers assumed there was only one strategy to follow to find relevant materials and they usually missed finding a considerable body of information.
APPENDIX A

SEARCH SUMMARIES

The following pages provide detailed analysis of each of the searches that were analyzed. The first part of each section states the nature of the search, followed in the second part by the strategy the searcher used. The third section provides a suggested strategy. Appendix B contains the actual searches that were performed with the suggested strategy.
Ineffective Incident  #01-0126-02

Comments on search:

1. Searcher is looking for a specific journal article as well as general information about breast feeding among Hispanics.

2. Searcher combined the author's name with the text word **hispanic** and did not retrieve the article. Searcher also tried combining MeSH **breast feeding** with the text word **hispanic** and found one article.

3. Searcher should have tried searching backfiles for his specific article. Trial search using the BACK86 file located an article which was probably the one he was looking for. For the subject search, searcher missed some possibly relevant articles by limiting his search to **breast feeding** and the text word **hispanic**. MeSH uses **hispanic americans** and by text wording **hispanic** he only picked up the articles in which that word appeared in the title or the abstract. In addition, searcher could have done a broader search on such a specific topic by combining **breast feeding** with other **hispanic** text words or terms such as **latin:** or **mexic:** (MeSH **mexico**, **latin america**). Another strategy would have been to explode the MeSH trees for **central america** or **south america**.
Ineffective Incident  #01-0138-01

Comments on search:

1. Searcher is seeking information on the relation between T-200 and fodrin.

2. The search was performed correctly, but the paper the searcher was seeking was too recent to be included in the MEDLARS file. A trial search on the topic was not conducted.
Ineffective Incident  #01-0139-01

Comments on search:

1. Searcher is looking for information about the relation between embryonic survival of cattle, swine, or sheep and Vitamin A deficiency.

2. Searcher used MeSH vitamin a deficiency combined with pig and a set of text words such as pregnancy, fertility, and embryo.

3. Searcher should have used MeSH vitamin a or MeSH vitamin a deficiency. Searcher could have used MeSH cattle or sheep or exploded swine and combined these two sets with a set of exploded MeSH terms reproduction or pregnancy complications, which include concepts such as fetal development and fetal death.
Ineffective Incident #01-0212-02

Comments on search:

1. Searcher is looking for information on homosexuality in adolescence, especially the psychological and behavioral issues.

2. The interview reflects that the searcher text-worded adolescent and homosexuality with other terms such as behavior and psychiatry. The transaction log reflects that the searcher used adolesc: as a text word combined with homosexuality.

3. The searcher could have exploded the MeSH term adolescence and combined it with the MeSH term homosexuality. Then that set could have been combined with a group of appropriate MeSH trees covering psychology. These include, for example, identification, adaptation, psychological, or psycho-sexual development.
Ineffective Incident  #01-0212-03

Comments on search:

1. Searcher is looking for information about cat scratch fever.

2. Searcher first did search entering the text word catscratch and did not retrieve anything appropriate. Searcher later discovered that MeSH indexes cat scratch fever as cat-scratch disease. He redid the search and retrieved appropriate results.

3. No trial search was conducted since the searcher solved the problem on his own.
Ineffective Incident   #01-0364-01

Comments on search:

1. Searcher is looking for information about peroxisomal disorders in humans.

2. Searcher used the text words peroxisome or peroxisomal and retrieved numerous articles on his first attempt. He was dismayed at the amount of experimental animal work that was retrieved and figured out that he needed to limit his search to human. He later redid the search limiting it to human.

3. Searcher successfully retrieved articles with the text words, however a more focused search would have been to use MeSH microbodies which is a 'see' reference from peroxisomes. The searcher could have narrowed the retrieval to the articles in that set that had the text words he was looking for and then limited it to human. Those search results might have been more appropriate that the results from the free use of the text words peroxisome or peroxisomal. No trial search was conducted.
Ineffective Incident  #01-0364-02

Comments on search:

1. Searcher is looking for information about cone dystrophy especially linked to adult onset or x-chromosomes.

2. Searcher did not use MeSH heading, he combined text words cone and dystrophy and tried to create a set of text words such as late or adult or sex which caused a STORPSTG overflow message.

3. Searcher could have used MeSH to do the search more effectively. The concept of cone is covered by the MeSH term rods and cones. The dystrophy part of the inquiry would be included under the MeSH tree of retinal diseases. Adult could have been entered as a check tag and x-chromosome could have been entered as a MeSH heading. A search in which rods and cones was combined with exploded MeSH retinal diseases, the truncated text word dystroph: and a set of MeSH adult and x-chromosome, yielded useful results.
Ineffective Incident  #01-0393-01

Comment on search:

1. Searcher is looking for information on Torsade de Pointes ventricular tachycardia. He is especially interested in review articles.

2. Searcher used the MeSH term Torsade de Pointes and review as a tag. Searcher was dismayed to retrieve many articles about forms of tachycardia other than Torsade de Pointes.

3. Searcher did not realize that Torsade de Pointes is a 'see' reference to tachycardia. When he entered the term Torsade de Pointes, he retrieved all articles under the tachycardia tree. Searcher could have narrowed his search results to a more appropriate set by string searching the titles in his set for the word Torsade in order to retrieve articles in which Torsade de Pointes is a major focus, or by looking for Torsade as a text word, which would have retrieved articles which would have discussed that condition, at least as part of the abstract.
Ineffective Incident #01-0422-02

Comments on search:

1. Searcher is looking for information about a particular method of intraocular lens implantation.

2. Search carried out the search using MeSH lenses, intraocular combined with the known author's name or the specific name of the procedure.

3. Searcher did not retrieve what he was looking for but he used the appropriate search strategy. Perhaps the journal in which the particular work was published is not indexed by MEDLINE? He found the references that he needed in the bibliography of another article by that author. No trial search was conducted because the search was done correctly.
Ineffective Incident #01-0604-02

Comments on search:

1. Searcher is looking for information on post-transplantation lymphoma caused by Epstein-Barr virus. The user is also interested in the use of acyclovir for treatment of the condition.

2. The searcher used the MeSH term lymphoma but was inconsistent in combining it with transplantation which was sometimes entered as a text word and sometimes as a MeSH heading. The searcher also tried various combinations of acyclovir with Epstein-Barr Virus.

3. To do a comprehensive search that would not miss anything that would be useful, the searcher needed to explode the MeSH term transplantation as well as to search for it as a subheading. To be comprehensive about searching for lymphoma, he should have exploded it, not entered it as a single heading. The combination of the exploded transplantation set and the exploded lymphoma set with the MeSH term Epstein-Barr Virus yielded seemingly useful results.
Ineffective Incident #01-0613-03

Comments on search:

1. Searcher is looking for information about the adherence of neutrophils to the endothelium of blood vessels, as well as neutrophil shape change and movement.

2. Searcher strategy was to use MeSH Neutrophils or MeSH Chemotaxis, leukocyte and combine these terms with the textword "shape".

3. The searcher used a very narrow approach in simply looking for the textword "shape". A more effective strategy would have been to make use of MeSH headings for Cell adhesion and Cell movement, combined with MeSH Neutrophils and MeSH Endothelium, vascular, if indeed the searcher's interest was (as stated) in neutrophil adherence to endothelium of blood vessels, and movement as well as shape.
Ineffective Incident #01-0658-01

Comments on search:

1. Searcher is looking for information on abdominal adenopathies that look like progressive transformation germinal centers.

2. Searcher used MeSH **Hodgkins disease** and MeSH **Lymphoma** and tried various combinations with textwords such as "progressive" and "transformation" or "germinal" and "centers". He did not use children age tags or the term "abdominal" in his search, as mentioned on the incident report form.

3. A more effective approach to look for something this elusive would be to explode MeSH **Lymphatic diseases**, which includes Hodgkins disease as well as Lymphoma, and combine this set with the textword "abdominal" and truncated textword "adenopath:"

A search in this topic area might more profitably be done in Cancerline to have access to a longer period of literature coverage in one file, as well as access to Cancer-related literature that might not be in Medline.
Ineffective Incident  #01-0674-02 (Probably a non-match with transaction log)

Comments on search:

1. Searcher is looking for information about HIV infection risk among hospital employees.

2. The log reflects a search on HIV Seropositivity and Surgery, which is far too narrow an approach for such a topic. This is why this particular transaction log is "suspect" as a match for this search.

3. A useful approach would have been to search the AIDSLINE file and to explode the AIDS tree which includes HIV Seropositivity, with the subheadings "Transmission" or "Prevention and control" applied.

This set, combined with the exploded MeSH for Personnel, hospital and MeSH (Cross infection or Occupational diseases) yields appropriate results.
Ineffective Incident  #02-0327-03

Comments on search:

1. Searcher is looking for information about neurofibroma of the mandible.

2. Searcher combined the MeSH heading neurofibroma and mandible as well as neoplasms, nervous tissue and jaw and did not find anything. The searcher limited his retrieval only to English language articles and thus eliminated the one appropriate article in the current MEDLINE file that was indexed to neurofibroma and mandible.

3. Searcher should have tried a set of MeSH terms mandibular neoplasms or mandible, combined with MeSH neurofibroma in order to retrieve the appropriate citations. Searcher could have tried CANCERLINE for a more extensive look at the potentially appropriate literature.
Ineffective Incident #02-0448-01

Comments on search:

1. Searcher is looking for information on patient-controlled analgesia.

2. Searcher called MEDLARS at NLM for help on strategy formulation and was told to combine analgesia with self administration as MeSH headings.

3. Despite his instructions, he did a search combining analgesia with the MeSH heading self medication instead of MeSH self administration and did not find the numerous citations in the file on his topic.
Ineffective Incident #02-0453-02

Comments on search:

1. Searcher is looking for information on diseases with similar symptoms as measles, especially diseases caused by parvoviruses.

2. Searcher claims he searched for parvoviruses and enteroviruses, however the log reflects only a search on measles with a subheading prevention and control.

3. Searcher could have exploded the trees for enterovirus infections or parvovirus infections, with the subheadings diagnosis, epidemiology, and pathology applied, in order to retrieve articles which might discuss the details of other diseases that might be comparable to measles.
**Ineffective Incident #02-0622-03**

**Comments on search:**

1. Searcher is looking for information on look back programs for HIV among the blood transfusion population.

2. Searcher chose to search AIDSLINE, which is a valid file choice for a question of this sort. He looked for citations with the textwords "look" and "back" in them, which produced some useful results. He printed offline all citations with the MeSH **Blood transfusion** and the subheading "adverse effects", to look them over.

3. Searcher has encountered a classic problem in dealing with the often wildly disparate indexing in the Medlars files. One only has to look at the indexing for the citations retrieved with "look" and "back" to see the variations. (See sample search attached.)

For the blood transfusion component, some citations use **Blood transfusion/adverse effects**, some use **Blood transfusion** with no subheadings, some use **Blood banks**.

For the HIV component, some citations use **AIDS/transmission**, some use **HIV**, some use **HTLV Viruses**.

For the "look back" component, some use **Retrospective studies**, some use **Epidemiologic methods**, and some don't use any methodological term at all!

4. One approach which should net some useful results would be to structure a search as follows:

**Blood banks** or **Blood transfusion** (no subheadings) and **Retrospective studies** or **Follow-up studies**.

In the AIDSLINE file, the context is established, so one hopes there is no need to input the many variations on the theme as to the virus or disease entity name.

(The searcher's offline print of all **Blood Transfusion/AE** will miss some of the appropriate citations.)
Ineffective Incident #03-0114-02

Comments on search:

1. Searcher is looking for information on World Health Organization guidelines for the use of BCG vaccine, and also any controversy relating to its use.

2. Searcher used a combination of MeSH headings including BCG vaccine and World Health Organization and found what was specifically available on that topic, but he did not take his search any further.

3. In addition to combining MeSH BCG vaccine with MeSH World Health Organization to retrieve that specific part of his question, he could have searched BCG vaccine with various subheadings such as adverse effects, administration, standards, or therapeutic use in order to look at a set of citations that would deal with the use of the vaccine and any controversy related to it.
Ineffective Incident #03-0259-03

Comments on search:

1. Searcher is looking for information about chronic testicular pain.

2. Searcher tried a combination of MeSH terms: Testis and Pain and (Chronic disease or Chronic limitation of activity) and retrieved nothing.

3. Searcher followed the MeSH instructions to correctly search for chronic pain in some part of the anatomy: to combine the part (MeSH heading Testis) with MeSH Pain and MeSH Chronic disease. A broader attempt (to allow for indexing variations) would be to use a combination of MeSH Testis and MeSH Pain and search for the word "Chronic" as a textword.

A trial search using this approach was used in Medline, B86, and B83 files, with no results. Perhaps indeed there is no significant recent literature. If the mention of chronic testicular pain appeared in the abstract but the indexer for whatever reason did not consider it worth noting in the indexing, then that item is lost altogether unless one does a totally free textword search in the file. (A free textword search in the current files also yielded no satisfactory results.)
Ineffective Incident #03-0267-02

Comments on search:

1. Searcher is looking for information about a condition called Asherman's syndrome -- intrauterine adhesions.

2. Searcher tried "Asherman" as a textword, but neglected to truncate it, to allow for the possessive form, and thus did not retrieve any of the existing English language citations. The one posting which had the term "Asherman" in it was in a foreign language and was eliminated when he narrowed the search to English only.

Searcher tried MeSH terms Uterus and Adhesions and did not get satisfactory results. (Adhesions were not intrauterine.)

Searcher tried MeSH Adhesions and textword "intrauterine" and found a few citations which were evidently not satisfactory.

3. In a trial search we first looked for postings with textwords all Asherman: and all Syndrome:, netting 8 postings in the current file, 6 in English.

A second approach was to combine MeSH Adhesions with an or'd set of MeSH Uterus or the exploded tree of Uterine diseases. This set was then narrowed by looking for the textword "intrauterine", "not'ing" out the previous Asherman's Syndrome set, and resulting in 2 citations which appear useful.

Searcher missed possible hits by using only Mesh Uterus instead of Uterus or the Uterine diseases tree. (Some of the Asherman's syndrome articles were indexed in one way and some in another.)
Ineffective Incident #03-0269-01

Comments on search:

1. Searcher is looking for information about a condition referred to as hollow viscus or visceral myopathy.

2. Searcher states he used MeSH and textwords, when the log shows that he tried strictly textwords:

   The combination of "hollow" and "viscu#" retrieved some postings (7 to 11, depending on file), but he didn't look at those, instead he chose to narrow results further by combining the set with the term "myopathy", netting zero citations in all cases. (It is possible that some of the "hollow" and "viscu#" results might have been useful, at least to observe the indexing practices.)

3. If the searcher had indeed used MeSH, he would have discovered a see reference from "visceral myopathy" to **Intestinal pseudo-obstruction**.

   A trial search looked for postings under **Intestinal pseudo-obstruction** and combined the results with the textword "myopathy" to retrieve seemingly useful results.

   Searcher claims BRS Colleague netted better results, although the search was probably still marginally effective. He claims to have found 6 articles over a 10 year period. The trial search in the current Medline file alone netted 7 potentially useful citations. One supposes that the searcher was able to make use of adjacency features to search for the phrase "visceral myopathy" to find his results via BRS Colleague.
Ineffective Incident #03-0340-02

Comments on search:

1. Searcher is looking for information on Vitamin C and colonic polyps.

2. Searcher choose to use the CLINPROT database for questionable reasons since he was looking for bibliographic references. Searcher only searched CLINPROT using the truncated term asorb: and truncated rectu: or col: and was not satisfied with the results.

3. Searcher could have searched MEDLINE and/or CANCERLINE with the MeSH heading colonic polyps and exploded MeSH ascorbic acid and gotten useful results.
Ineffective Incident #03-0376-02

Comments on search:

1. Searcher is looking for information about the role of the nurse consultant.

2. Searcher tried nurse or nursing with the text word consult or consultant or consultation.

3. Searcher could have exploded the MeSH term nurses and combined it with a MeSH set consisting of the terms consultants or referral and consultation and found many useful citations. Reviewing the indexing for the retrieved citations, most of the seeming relevant ones are indexed with the term nurse clinicians which is part of the nurses tree. A tighter search might have been to just use nurse clinicians and the consultants set, although some relevant citations would have been lost because of the inconsistency of the MeSH indexing in this area.
Ineffective Incident  #03-0677-03  (Probably a non-match with transaction log)

Comments on search:

1. Searcher is looking for information about the pathology of lymphoblastic lymphoma.

2. The log reflects a search which combines Hodgkins disease with Leukemia, lymphocytic and then searches on MeSH Hodgkins disease with the subheading "Immunology".

3. There is no exact MeSH heading for lymphoblastic lymphoma, but it is considered a non-Hodgkins disease entity. (This is why this particular transaction log is "suspect" as a match for this search. In addition the log is for a search which was done two months prior to the estimated time that the search was conducted.)

A useful search approach would be to combine a set of exploded MeSH for Lymphoma, non-Hodgkins, or Lymphoma, lymphocytic or Leukemia, lymphocytic, with the subheading "Pathology" applied. One could then "and" that set with the textword "lymphoblastic" and stringsearch the title for that term to further narrow the search.

This is a good case in point for the many ways a MeSH indexer might have to approach a topic which is not neatly covered by a MeSH heading.

The searcher might have profitably done this search in Cancerline instead of Medline to get a lengthier coverage of a cancer-related topic in one file search.
Ineffective Incident #03-0705-02

Comments on search:

1. Searcher is looking for information on colony stimulating factor and the cell receptors for these factors. The case involves lung cancer and the production of eosinophils.

2. Searcher tried combinations of an exploded MeSH Tree for Colony stimulating factors, with exploded MeSH tree for Eosinophilia or MeSH Eosinophils, as well as exploded MeSH Interleukins.

On another attempt searcher combined exploded Colony stimulating factors with exploded MeSH tree for Lung neoplasms. He also combined the textwords "receptor" or receptors" with the exploded Colony stimulating factors set.

3. The searcher was quite thorough in his attempts at finding pertinent literature. As far as using MeSH indexing, he used the appropriate terms, except that he could have used the MeSH tree for Receptors, endogenous substances instead of textwording "receptor(s)". However, every term in that tree does include the word "receptor", so he didn't really miss anything.

The searcher could have more profitably used Cancerline instead of Medline for a search of this nature. The combination of Colony stimulating factors, Eosinophils and exploded Lung neoplasms netted one potentially useful citation in Cancerline. A broader search of just Colony stimulating factors combined with Eosinophils in the presumed Cancer literature context of Cancerline might also have netted some useful results.

By using Cancerline, not only could the searcher find Cancer literature that is not in Medline, but also could look at a body of literature representing a longer period of time with "one pass".
Ineffective Incident #03-0706-01

Comments on search:

1. Searcher is looking for existing book titles in the area of infant food hypersensitivity.

2. Searcher searched Medline, which of course does not have book titles in it.

3. Searcher realized that Catline was the appropriate file, and subsequently had a librarian do a search in that file, which was successful.

No trial searches were conducted, since none was appropriate.
This appendix contains transcripts of trial searches conducted for most of the ineffective incident reports. The text of the report provides a summary of the user searches, and Appendix A gives a detailed analysis of each search and a summary of the strategy presented in this Appendix.
**Trial search on topic:  #01-0126-02**

SS 1 /C?
USER:
breast feeding and hispanic (tw)

PROG:
SS (1) PSTG (2)

SS 2 /C?
USER:
breast feeding and hispanic americans

PROG:
SS (2) PSTG (4)

SS 3 /C?
USER:
2 and not 1

PROG:
SS (3) PSTG (2)

SS 4 /C?
USER:
pert ti,mh

PROG:

1
TI  - Prevalence of cytomegalovirus antibody in subjects between the ages of 6 and 22 years.
MH  - Adolescence
MH  - Adult
MH  - Age Factors
MH  - Antibodies, Viral/*ANALYSIS
MH  - Blacks
MH  - Breast Feeding
MH  - Child
MH  - Cytomegalic Inclusion Disease/ETHNOLOGY/*EPIDEMIOLOGY
MH  - Cytomegaloviruses/*IMMUNOLOGY
MH  - Female
MH  - Hispanic Americans
MH  - Human
MH  - IgG/ANALYSIS
MH  - Male
MH  - Prevalence Studies
MH  - Socioeconomic Factors
MH  - Support, Non-U.S. Gov't
MH  - Support, U.S. Gov't, P.H.S.
MH  - Texas
MH  - Whites
Promoting breastfeeding at a migrant health center.

- Blacks
- *Breast Feeding
- Community Health Centers
- Female
- Health Promotion/*METHODS
- Hispanic Americans
- Human
- Infant
- Infant, Newborn
- Mexico/ETHNOLOGY
- North Carolina
- Support, U.S. Gov't, P.H.S.
- Teaching/METHODS
- *Transients and Migrants

4 and breast feeding

5 and not 2

Fertility, infant feeding, and change in Yucat:an.
2
TI  - Breast-feeding and the return to ovulation in Durango, Mexico.
MH  - Adolescence
MH  - Adult
MH  - Body Weight
MH  - *Breast Feeding
MH  - Female
MH  - Human
MH  - Longitudinal Studies
MH  - Male
MH  - Mexico
MH  - *Ovulation
MH  - Pregnancy
MH  - Socioeconomic Factors
MH  - Support, U.S. Gov't, Non-P.H.S.
MH  - Time Factors
CONTINUE PRINTING? (YES/NO)

USER:
y

3
TI  - [Promotion of breast feeding through an educational campaign directed at pregnant women]
MH  - Attitude
MH  - *Breast Feeding
MH  - English Abstract
MH  - Female
MH  - Health Education/*METHODS
MH  - Human
MH  - Lactation
MH  - Latin America/ETHNOLOGY
MH  - Motivation
MH  - Pregnancy
MH  - Prenatal Care
MH  - Support, U.S. Gov't, P.H.S.
MH  - United States
**Trial search on topic:  #01-0139-01**

SS 1 /C?
USER:
vitamin a or vitamin a deficiency

PROG:
SS (1) PSTG (545)

SS 2 /C?
USER:
cattle or sheep or exp swine

PROG:
SS (2) PSTG (12641)

PROG:
SS 3 /C?
USER:
exp reproduction or exp pregnancy complications

PROG:
TIME OVFLW: CONT? (Y/N)
USER:
Y

PROG:
SS (3) PSTG (22534)

SS 4 /C?
USER:
1 and 2 and 3

PROG:
SS (4) PSTG (8)

SS 5 /C?
USER:
pri ti,mh

PROG:

1
TI - Recent developments in the roles of vitamins and minerals in reproduction.
MH - Animal
MH - Ascorbic Acid/METABOLISM
MH - Cattle/*PHYSIOLOGY
MH - Female
MH - Minerals/*METABOLISM
MH - *Reproduction

Animal

Carotene/*PHARMACOLOGY

Cattle/*BLOOD

Concanavalin A/PHARMACOLOGY

Female

Lactation/*BLOOD/PHYSIOLOGY

Lipopolysaccharides/PHARMACOLOGY

Lymphocytes/*DRUG EFFECTS/PHYSIOLOGY

Mitogens/*PHARMACOLOGY

Pregnancy

Support, Non-U.S. Gov't

Support, U.S. Gov't, Non-P.H.S.

Vitamin A/*PHARMACOLOGY

CONTINUE PRINTING? (YES/NO)

Y


Animal

Carotene/*PHARMACOLOGY

Cattle/*BLOOD

Female

Lactation/BLOOD/*DRUG EFFECTS/PHYSIOLOGY

Neutrophils/*DRUG EFFECTS/PHYSIOLOGY

Pregnancy

Support, Non-U.S. Gov't

Support, U.S. Gov't, Non-P.H.S.

Vitamin A/*PHARMACOLOGY

The effect of vitamin A on trypsin inhibition
activity of the blood and cervical mucus after the effects of hormones on the ovaries of sheep in the estrus period]

MH - Animal
MH - Cervix Mucus/METABOLISM
MH - English Abstract
MH - Estradiol/BLOOD
MH - Estrus/*/METABOLISM
MH - Female
MH - Gonadotropins, Equine/*/PHARMACOLOGY
MH - Ovary/*/DRUG EFFECTS
MH - Progesterone/BLOOD
MH - Prostaglandins F/PHARMACOLOGY
MH - Sheep/*/METABOLISM
MH - Trypsin Inhibitors/BLOOD/*/METABOLISM
MH - Vitamin A/*/PHARMACOLOGY

CONTINUE PRINTING? (YES/NO)

USER: y

PROG:

5
TI - [Levels of catecholamines in the hypothalamus of sheep in estrus after hormonal stimulation with PMSG in combination with vitamin A]
MH - Animal
MH - Catecholamines/*/METABOLISM
MH - English Abstract
MH - Estrus/*/METABOLISM
MH - Female
MH - Gonadotropins, Equine/ADMINISTRATION & DOSAGE/*PHARMACOLOGY
MH - Hypothalamus/*/METABOLISM
MH - Sheep/*/METABOLISM
MH - Vitamin A/ADMINISTRATION & DOSAGE/*PHARMACOLOGY

6
MH - Analysis of Variance
MH - Animal
MH - Animals, Newborn
MH - Bronchopulmonary Dysplasia/DRUG THERAPY/*ETIOLOGY/PATHOLOGY
MH - Cell Differentiation
MH - Cell Division
MH - Disease Models, Animal
MH - Epidermal Growth Factor-Urogastrone/ADMINISTRATION &
DOSAGE/
PHARMACOLOGY/THERAPEUTIC USE
MH - Epithelium/DRUG EFFECTS/PATHOLOGY/ULTRASTRUCTURE
MH - Female
MH - Fetus
MH - Human
MH - Infant, Newborn
MH - Metaplasia
MH - Microscopy, Electron
MH - Pregnancy
MH - Sheep
MH - Support, Non-U.S. Gov't
MH - Support, U.S. Gov't, P.H.S.
MH - Trachea/DRUG EFFECTS/PATHOLOGY/ULTRASTRUCTURE
MH - Vitamin A/ADMINISTRATION & DOSAGE/PHARMACOLOGY/THERAPEUTIC USE
MH - Vitamin A Deficiency/COMPLICATIONS

CONTINUE PRINTING? (YES/NO)

USER: Y

TI - Vitamin A transport in plasma of ewes during late gestation and into milk during early lactation.
MH - Animal
MH - Animal Nutrition
MH - Dose-Response Relationship, Drug
MH - Female
MH - Lactation/METABOLISM
MH - Milk/METABOLISM
MH - Pregnancy
MH - Pregnancy, Animal/BLOOD
MH - Sheep
MH - Support, U.S. Gov't, P.H.S.
MH - Vitamin A/ADMINISTRATION & DOSAGE/PHARMACOKINETICS

8
TI - Concentrations of vitamin A, beta-carotene and vitamin E in individual bovine follicles of different quality.
MH - Animal
MH - Carotene/ANALYSIS
MH - Cattle/PHYSIOLOGY
MH - Female
MH - *Fertility
MH - Graafian Follicle/ANALYSIS
MH - Male
MH - Support, Non-U.S. Gov't
MH - Vitamin A/ANALYSIS
MH - Vitamin E/ANALYSIS
Trial search on topic:  #01-0212-02

SS 1 /C?
USER:
exp adolescence

PROG:
SS (1) PSTG (33650)

SS 2 /C?
USER:
1 and homosexuality

PROG:
SS (2) PSTG (78)

SS 3 /C?
USER:
exp identification or exp adaptation, psychological or

PROG:
CNT 3

USER:
psychosexual development

PROG:
MM (IDENTIFICATION) (3)
1  F1.393.446
2  F1.752.747.385
3  F3.407.446

NUMBER, NONE, OR EXPAND-

USER:
2

PROG:
SS (3) PSTG (2389)

SS 4 /C?
USER:
2 and 3

PROG:
SS (4) PSTG (17)

SS 5 /C?
USER:
prt ti,mh

PROG:
1. The effects of sexual assault on men: a survey of 22 victims.

2. Providing sensitive health care to gay and lesbian youth.


CONTINUE PRINTING? (YES/NO)
4
TI - The socialization of homosexuality and heterosexuality in a non-Western society.
MH - Adolescence
MH - Adult
MH - Child
MH - Cultural Characteristics
MH - Ethnic Groups/*PSYCHOLOGY
MH - *Gender Identity
MH - Homosexuality/*PSYCHOLOGY
MH - Human
MH - *Identification (Psychology)
MH - Male
MH - Papua New Guinea
MH - Pedophilia/PSYCHOLOGY
MH - *Psychosexual Development
MH - Sex Behavior
MH - *Socialization

5
TI - [Age-related dynamics and conditions for developing male homosexuality]
MH - Adolescence
MH - Adult
MH - Aging/DRUG EFFECTS/*PSYCHOLOGY
MH - Chlorpromazine/THERAPEUTIC USE
MH - English Abstract
MH - Homosexuality/*PSYCHOLOGY
MH - Human
MH - Male
MH - Middle Age
MH - *Psychosexual Development
MH - Sex Behavior/DRUG EFFECTS
MH - Sulfadiazine/THERAPEUTIC USE
MH - USSR
CONTINUE PRINTING? (YES/NO)

USER: y

PROG: 6

6
TI - [On the coming out of male adolescents]
MH - Adolescence
MH - English Abstract
MH - *Gender Identity
MH - Homosexuality/*PSYCHOLOGY
MH - Human
MH - *Identification (Psychology)
MH - Male
MH - *Psychosexual Development
MH  - *Social Adjustment

TI  - The heterogeneity/homogeneity of pedophilia.
MH  - Adolescence
MH  - Adult
MH  - Aged
MH  - Child
MH  - Child Abuse, Sexual/PSYCHOLOGY
MH  - Child, Preschool
MH  - Female
MH  - Gender Identity
MH  - Homosexuality
MH  - Human
MH  - Male
MH  - Middle Age
MH  - Paraphilias/*PSYCHOLOGY
MH  - Pedophilia/*PSYCHOLOGY
MH  - Sex Behavior
CONTINUE PRINTING? (YES/NO)

USER: y

PROG:

8
TI  - Sodomitical assaults, gender role, and sexual development in eighteenth-century London.
MH  - Adolescence
MH  - Adult
MH  - *Gender Identity
MH  - Historical Article
MH  - History of Medicine, 18th Cent.
MH  - Homosexuality/*HISTORY
MH  - Human
MH  - *Identification (Psychology)
MH  - London
MH  - Male
MH  - *Sex Behavior
MH  - Sex Offenses/*HISTORY

9
TI  - Social control of identity by children of gay fathers.
MH  - Adolescence
MH  - Adult
MH  - Female
MH  - Gender Identity
MH  - *Homosexuality
MH  - Human
MH  - Male
MH  - *Parent-Child Relations
MH - Peer Group
MH - *Social Control, Informal
MH - Support, Non-U.S. Gov't
CONTINUE PRINTING? (YES/NO)

USER:
y

PROG:

10
TI - Is early effeminate behavior in boys early homosexuality?
MH - Adolescence
MH - Adult
MH - Child
MH - Child, Preschool
MH - Follow-Up Studies
MH - *Gender Identity
MH - *Homosexuality
MH - Human
MH - *Identification (Psychology)
MH - Male
MH - *Psychosexual Development
MH - Social Adjustment
MH - Transvestism/PSYCHOLOGY

11
TI - The stigmatization of the gay and lesbian adolescent.
MH - Adolescence
MH - Child Abuse, Sexual/PSYCHOLOGY
MH - Family
MH - Female
MH - *Gender Identity
MH - *Homosexuality
MH - Human
MH - *Identification (Psychology)
MH - Male
MH - *Prejudice
MH - Social Isolation
MH - Social Work, Psychiatric
MH - Violence
CONTINUE PRINTING? (YES/NO)

USER:
n
Trial search on topic:   #01-0364-02

USER: 
rods a#d cones

PROG: 
SS (1) PSTG (252)

SS 2 /C? 
USER: 
exp retinal diseases

PROG: 
SS (2) PSTG (1741)

SS 3 /C? 
USER: 
all dystroph:

PROG: 
SS (3) PSTG (999)

SS 4 /C? 
USER: 
1 and 2 and 3

PROG: 
SS (4) PSTG (8)

SS 5 /C? 
USER: 
x chromosome or adult

PROG: 
TIME OVFLW: CONT? (Y/N)

USER: 
Y

PROG: 
SS (5) PSTG (90899)

SS 6 /C? 
USER: 
4 and 5

PROG: 
SS (6) PSTG (6)

SS 7 /C? 
USER: 
prt fu
Cone-rod dystrophy. Phenotypic diversity by retinal function testing.

[Arch Ophthalmol 1989 May;107(5):701-8]

[Cone dystrophy--7 cases report]

[Yen Ko Hsueh Pao 1987 Mar;3(1):36-8]
3
UI  - 89178550
AU  - Jalili IK
AU  - Smith NJ
LA  - Eng
MH  - Adolescence
MH  - Adult
MH  - Amelogenesis Imperfecta/*GENETICS
MH  - Case Report
MH  - Child
MH  - Female
MH  - Human
MH  - Infant
MH  - Macular Degeneration/*GENETICS
MH  - Male
MH  - Pedigree
MH  - Rods and Cones/*PATHOLOGY
MH  - Tooth Abnormalities/GENETICS

4
UI  - 89170137
AU  - Verdoorn C
AU  - Pinckers A
TI  - X-linked cone dystrophy.
LA  - Eng
MH  - Adult
MH  - Case Report
MH  - Color Perception/PHYSIOLOGY
MH  - Color Perception Tests
MH  - Electroretinography
MH  - Female
MH  - Human
MH  - Male
MH  - Middle Age
MH  - Myopia/ETIOLOGY
MH  - Pedigree
MH  - Retinal Diseases/*GENETICS
MH  - *Rods and Cones
MH  - Visual Acuity
MH  - *X Chromosome
CONTINUE PRINTING? (YES/NO)

USER: Y

PROG: 5
UI  - 89164371
AU  - Noble KG
AU  - Margolis S
AU  - Carr RE
TI  - The golden tapetal sheen reflex in retinal disease.
LA  - Eng
MH  - Adult
MH  - Atrophy
MH  - Case Report
MH  - Child
MH  - Choroid/PATHOLOGY
MH  - Fluorescein Angiography
MH  - Human
MH  - Macular Degeneration/PATHOLOGY/PHYSIOPATHOLOGY
MH  - Male
MH  - Middle Age
MH  - *Reflex
MH  - Retina/PATHOLOGY/PHYSIOPATHOLOGY
MH  - Retinal Degeneration/GENETICS/PATHOLOGY/PHYSIOPATHOLOGY
MH  - Retinal Diseases/PATHOLOGY/*PHYSIOPATHOLOGY
MH  - Rods and Cones
MH  - Support, Non-U.S. Gov't

6
UI  - 88279631
AU  - Stoumbos VD
AU  - Weleber RG
AU  - Kennaway NG
TI  - Normal alpha-L-fucosidase and other lysosomal enzyme activities in progressive cone dystrophy.
LA  - Eng
MH  - Adolescence
MH  - Adult
MH  - Child
MH  - Comparative Study
MH  - Female
MH  - Fucosidase/*METABOLISM
MH  - Human
MH  - Lysosomes/*ENZYMOLOGY
MH  - Male
MH  - Middle Age
MH  - Reference Values
MH  - Retinal Diseases/ENZYMOLOGY
MH  - *Rods and Cones
MH  - Support, Non-U.S. Gov't
RN  - EC 3.2.1.51 (Fucosidase)

SS 7 /C?
USER:
4 and not 6
Normal alpha-L-fucosidase and other lysosomal enzyme activities in progressive cone dystrophy [letter]

Concomitant granular dystrophy of the cornea and cone dystrophy.
Trial search on topic: #01-0393-01

PROG:

SS 1 /C?
USER:
torsade de pointes

PROG:

SS (1) PSTG (685)

SS 2 /C?
USER:
tachycardia

PROG:

SS (2) PSTG (685)

SS 3 /C?
USER:
2 and all torsade

PROG:

SS (3) PSTG (29)

SS 4 /C?
USER:
3 and review

PROG:

SS (4) PSTG (8)

SS 5 /C?
USER:
ppt

PROG:

1
UI - 89216856
AU - Maas SM
AU - Wickham J
TI - Tachyarrhythmia therapy utilizing electrical stimulation: a review.
RF - REVIEW ARTICLE: 8 REFS.

2
UI - 89186742
AU - Weiss M
AU - Hess T
TI - [Magnesium in cardiology. Fundamentals and potential indications]
RF - REVIEW ARTICLE: 72 REFS.
SO - Schweiz Med Wochenschr 1988 Nov 5;118(44):1597-602

3
UI - 89133390
AU - Biard F
AU - Philippe C
AU - Berrut G
AU - Lardy B
AU - Slama R
TI - [Kearns-Sayre syndrome: complete auriculoventricular block, torsade de pointes and ventricular fibrillation]
RF - REVIEW ARTICLE: 19 REFS.
SO - Ann Cardiol Angeiol (Paris) 1988 Nov;37(9):529-34

4
UI - 89131131
AU - Luderitz B
AU - Manz M
TI - [Hemodynamics in ventricular arrhythmias and in their treatment]
RF - REVIEW ARTICLE: 21 REFS.
SO - Z Kardiol 1988;77 Suppl 5:143-9

USER:
Y
PROG:
5
UI - 89106720
AU - Bayer R
AU - Schwarzmaier J
AU - Pernice R
TI - Basic mechanisms underlying prenylamine-induced 'torsade de pointes': differences between prenylamine and fendiline due to basic actions of the isomers.
RF - REVIEW ARTICLE: 60 REFS.

6
UI - 89077833
AU - Fragola PV
AU - Capria A
AU - Autore C
AU - Sangiorgi M
TI - [The problem of ventricular tachycardia with torsade de pointes and its rational therapy]
RF - REVIEW ARTICLE: 210 REFS.
SO - Clin Ter 1988 May 31;125(4):251-69

7
UI - 88302542
AU - Stober T
AU - Sen S
AU - Th:onnen W
TI - [Ventricular tachycardias of the torsade de pointes type in transtentorial herniation]
RF - REVIEW ARTICLE: 30 REFS.
SO - Nervenarzt 1988 Jul;59(7):408-14
CONTINUE PRINTING? (YES/NO)

USER:
Y

PROG:

8
UI - 88210132
AU - Kavanagh KM
AU - Wyse DG
TI - Ventricular arrhythmias.
RF - REVIEW ARTICLE: 64 REFS.
**Trial search on topic: #01-0604-02**

exp transplantation or tr

**PROG:**
SS (1) PSTG (11494)

SS 2 /C?
**USER:** exp lymphoma

**PROG:**
MM (LYMPHOMA) (3)
  1  C4.557.386
  2  C15.604.515.569
  3  C20.683.515.761

**NUMBER, NONE, OR EXPAND-**

**USER:**
1

**PROG:**
SS (2) PSTG (4144)

SS 3 /C?
**USER:** epstein-barr virus

**PROG:**
SS (3) PSTG (622)

SS 4 /C?
**USER:** 1 and 2 and 3

**PROG:**
SS (4) PSTG (10)

SS 5 /C?
**USER:** prt ti

**PROG:**

1
**TI**  - Epstein-Barr virus associated B-cell lymphomas in AIDS and after organ transplantation [letter]

2
**TI**  - Establishment and characterization of an Epstein-Barr virus negative B-cell lymphoma cell line and successful heterotransplantation.
3 TI - A study of Epstein-Barr virus infections in heart and heart and lung transplant recipients.

4 TI - Confirmation of the heterogeneity of posttransplant Epstein-Barr virus-associated B cell proliferations by immunoglobulin gene rearrangement analyses.

5 TI - Prolonged remission of Epstein-Barr virus associated lymphoma secondary to T cell-depleted bone marrow transplantation.

6 TI - The pathology of posttransplant lymphoproliferative disorders occurring in the setting of cyclosporine A-prednisone immunosuppression.

7 TI - Primary central nervous system lymphoma in the transplant patient.

8 TI - Renal transplant obstruction by B cell lymphoproliferative disorder: case report and review of the literature.

9 TI - Relationship of immunodeficiency to lymphoid malignancy.

10 TI - Burkitt's lymphoma cell lines reveal different degrees of tumorigenicity in nude mice.

SS 5 /C?
USER: prt fu

PROG:

1
UI - 89237551
AU - Thomas JA
AU - Crawford DH
TI - Epstein-Barr virus associated B-cell lymphomas in AIDS and after organ transplantation [letter]
LA - Eng
MH - Acquired Immunodeficiency Syndrome/*COMPLICATIONS
MH - B Lymphocytes
Establishment and characterization of an Epstein-Barr virus negative B-cell lymphoma cell line and successful heterotransplantation.
A study of Epstein-Barr virus infections in heart and heart and lung transplant recipients.

Confirmation of the heterogeneity of posttransplant Epstein-Barr virus-associated B cell proliferations by immunoglobulin gene rearrangement analyses.
Prolonged remission of Epstein-Barr virus associated lymphoma secondary to T cell-depleted bone marrow transplantation.
The pathology of posttransplant lymphoproliferative disorders occurring in the setting of cyclosporine A-prednisone immunosuppression.
transplantation and lymphoma and Epstein-Barr virus
Treatment of severe Epstein-Barr virus-induced lymphoproliferative syndrome with ganciclovir: two cases after solid organ transplantation.
Epstein-Barr virus lymphoproliferation after bone marrow transplantation.

AU - Zutter MM
AU - Martin PJ
AU - Sale GE
AU - Shulman HM
AU - Fisher L
AU - Thomas ED
AU - Durnam DM

TI - Epstein-Barr virus lymphoproliferation after bone marrow transplantation.

LA - Eng
MH - Acyclovir/THERAPEUTIC USE
MH - Adolescence
MH - Adult
MH - Bone Marrow/TRANSPLANTATION
MH - Child
MH - Child, Preschool
MH - Epstein-Barr Virus/GENETICS/IMMUNOLOGY
MH - Genes, Immunoglobulin
MH - Graft vs Host Disease/PATHOLOGY
MH - Herpesvirus Infections/ETIOLOGY/PATHOLOGY/PREVENTION & CONTROL
MH - Human
MH - Lymph Nodes/PATHOLOGY
MH - Lymphoproliferative Disorders/ETIOLOGY/PATHOLOGY/PREVENTION & CONTROL
MH - Risk Factors
MH - Support, U.S. Gov't, P.H.S.
RN - 59277-89-3 (Acyclovir)
Trial search on topic: #01-0613-03

USER:
file med

PROG:
YOU ARE NOW CONNECTED TO THE MEDLINE (1988 - 89) FILE.

SS 1 /C?
USER:
neutrophils and endothelium, vascular

PROG:
SS (1) PSTG (66)

SS 2 /C?
USER:
1 and all adher: (tw)

PROG:
SS (2) PSTG (26)

SS 3 /C?
USER:
ppt

PROG:

1
UI  - 89235595
AU  - Lo SK
AU  - Detmers PA
AU  - Levin SM
AU  - Wright SD
TI  - Transient adhesion of neutrophils to endothelium.

2
UI  - 89195735
AU  - Forsyth KD
AU  - Levinsky RJ
TI  - Role of the LFA-1 adhesion glycoprotein in
neutrophil adhesion to endothelium and plastic
surfaces.

3
UI  - 89193884
AU  - Masuda M
AU  - Ihara N
AU  - Kuriki H
AU  - Komiyama Y
AU - Nishikado H
AU - Egawa H
AU - Murata K
TI - Spontaneous injuries in the aortic endothelium of the inherited cataract rats and their prevention by tocopherol. A study by scanning electron microscopy.

4
UI - 89176700
AU - Schwartz BR
AU - Harlan JM
TI - Neutrophil membrane sulfhydryl groups are involved in stimulated neutrophil adherence to endothelium.
SO - J Leukoc Biol 1989 Mar;45(3):177-82
CONTINUE PRINTING? (YES/NO)

USER: Y

PROG:

5
UI - 89165435
AU - Reusch MK
AU - Fullerton SH
AU - Nickoloff BJ
AU - Glinski W
AU - Karasek MA
TI - Leukotriene B4 enhances adherence of human polymorphonuclear leukocytes to dermal microvascular endothelial cells in vitro.

6
UI - 89109868
AU - Forman MB
AU - Puett DW
AU - Virmani R
TI - Endothelial and myocardial injury during ischemia and reperfusion: pathogenesis and therapeutic implications.
RF - REVIEW ARTICLE: 103 REFS.
SO - J Am Coll Cardiol 1989 Feb;13(2):450-9

7
UI - 89109581
AU - Tonnesen MG
AU - Anderson DC
AU - Springer TA
AU - Knedler A
AU - Avdi N
AU - Henson PM
TI - Adherence of neutrophils to cultured human microvascular endothelial cells. Stimulation by chemotactic peptides and lipid mediators and dependence upon the Mac-1, LFA-1, p150,95 glycoprotein family.
SO - J Clin Invest 1989 Feb;83(2):637-46

8
UI - 89109556
AU - Moser R
AU - Schleiffenbaum B
AU - Groscurth P
AU - Fehr J
TI - Interleukin 1 and tumor necrosis factor stimulate human vascular endothelial cells to promote transendothelial neutrophil passage.
SO - J Clin Invest 1989 Feb;83(2):444-55

9
UI - 89075372
AU - Render ML
AU - Rounds S
TI - Studies on the mechanism of decreased neutrophil adherence to postconfluent cultured endothelial cells.

10
UI - 89075355
AU - Chopra J
AU - Webster RO
TI - PGE1 inhibits neutrophil adherence and neutrophil-mediated injury to cultured endothelial cells.

11
UI - 89034871
AU - Smith CW
AU - Rothlein R
AU - Hughes BJ
AU - Mariscalco MM
AU - Rudloff HE
AU - Schmaisteg FC
AU - Anderson DC
77

TI - Recognition of an endothelial determinant for CD 18-dependent human neutrophil adherence and transendothelial migration.
SO - J Clin Invest 1988 Nov;82(5):1746-56
CONTINUE PRINTING? (YES/NO)

USER:
n
PROG:

SS 3 /C?
USER:
1 and cell adhesion

PROG:
SS (3) PSTG (33)

SS 4 /C?
USER:
3 and not 2

PROG:
SS (4) PSTG (11)

SS 5 /C?
USER:
prt

PROG:

1
UI - 89212914
AU - Desch CE
AU - O'Hara P
AU - Harlan JM
TI - Antilipopolysaccharide factor from horseshoe crab, Tachypleus tridentatus, inhibits lipopolysaccharide activation of cultured human endothelial cells.
SO - Infect Immun 1989 May;57(5):1612-4

2
UI - 89194383
AU - Ley K
AU - Lundgren E
AU - Berger E
AU - Arfors KE
TI - Shear-dependent inhibition of granulocyte adhesion to cultured endothelium by dextran sulfate.
SO - Blood 1989 Apr;73(5):1324-30

3
UI - 89162047
AU - Bevilacqua MP
AU - Stengelin S
AU - Gimbrone MA Jr
AU - Seed B
TI - Endothelial leukocyte adhesion molecule 1: an inducible receptor for neutrophils related to complement regulatory proteins and lectins.
SO - Science 1989 Mar 3;243(4895):1160-5

4
UI - 89067144
AU - Lewis MS
AU - Whatley RE
AU - Cain P
AU - McIntyre TM
AU - Prescott SM
AU - Zimmerman GA
TI - Hydrogen peroxide stimulates the synthesis of platelet-activating factor by endothelium and induces endothelial cell-dependent neutrophil adhesion.

CONTINUE PRINTING? (YES/NO)

USER: y

PROG: 5

5
UI - 89035457
AU - Breviario F
AU - Bertocchi F
AU - Dejana E
AU - Bussolino F
TI - IL-1-induced adhesion of polymorphonuclear leukocytes to cultured human endothelial cells. Role of platelet-activating factor.

6
UI - 89019335
AU - Gamble JR
AU - Vadas MA
TI - Endothelial adhesiveness for blood neutrophils is inhibited by transforming growth factor-beta.
SO - Science 1988 Oct 7;242(4875):97-9

7
UI - 88270762
AU - Breedveld FC
AU - Heurkens AH
AU - Lafeber GJ
AU - van Hinsbergh VW
AU - Cats A
TI - Immune complexes in sera from patients with rheumatoid vasculitis induce polymorphonuclear cell-mediated injury to endothelial cells.

8
UI - 88269557
AU - Haas TA
AU - Bastida E
AU - Nakamura K
AU - Hullin F
AU - Admirall L
AU - Buchanan MR
TI - Binding of 13-HODE and 5-, 12- and 15-HETE to endothelial cells and subsequent platelet, neutrophil and tumor cell adhesion.
SO - Biochim Biophys Acta 1988 Jul 22;961(2):153-9
CONTINUE PRINTING? (YES/NO)

USER:
n
PROG:
SS 5 /C?
USER:
1 and cell movement
PROG:
SS (5) PSTG (7)
SS 6 /C?
USER:
prt
PROG:
1
UI - 89225511
AU - Hammersen F
AU - Unterberg A
AU - Hammersen E
TI - The ultrastructural basis of interactions between leukocytes and endothelium.
RF - REVIEW ARTICLE: 27 REFS.

2
UI - 89198063
Disruption of the subendothelial basement membrane during neutrophil diapedesis in an in vitro construct of a blood vessel wall.

Interleukin 1 and tumor necrosis factor stimulate human vascular endothelial cells to promote transendothelial neutrophil passage.

Recognition of an endothelial determinant for CD18-dependent human neutrophil adherence and transendothelial migration.

Lymphocyte-fibroblast adhesion induced by interferon-gamma.

Oxygen radicals are not a prerequisite for
neutrophil-mediated increased vascular permeability.

SO - Lab Invest 1988 May;58(5):559-64

7
UI - 88150213
AU - Doukas J
AU - Hechtman HB
AU - Shepro D
TI - Endothelial-secreted arachidonic acid metabolites modulate polymorphonuclear leukocyte chemotaxis and diapedesis in vitro.

SS 6 /C?
USER:
5 and not cell adhesion

PROG:
SS (6) PSTG (3)
Trial search on topic: #01-0658-01

SS 1 /C?
USER:
exp lymphatic diseases

PROG:
SS (1) PSTG (7235)

SS 2 /C?
USER:
1 and all abdominal

PROG:
SS (2) PSTG (160)

SS 3 /C?
USER:
2 and all adenopath:

PROG:
SS (3) PSTG (6)

SS 4 /C?
USER:
prt

PROG:

1
UI - 89265892
AU - Gurney JW
AU - Olson DL
AU - Schroeder BA
TI - The gastric bubble: roentgen observations.
SO - Radiographics 1989 May;9(3):467-85

2
UI - 89254663
AU - Frassica DA
AU - Schomberg PJ
AU - Banks PM
AU - Colgan JP
AU - Ilstrup DM
AU - Earle JD
TI - Management of subdiaphragmatic early-stage Hodgkin's disease.

3
UI - 89241209
AU - Townsend RR
AU - Laing FC
AU - Jeffrey RB Jr
AU - Bottles K
TI - Abdominal lymphoma in AIDS: evaluation with US.

4
UI - 89072087
AU - Pond GD
AU - Castellino RA
AU - Horning S
AU - Hoppe RT
TI - Non-Hodgkin lymphoma: influence of lymphography, CT, and bone marrow biopsy on staging and management.
SO - Radiology 1989 Jan;170(1 Pt 1):159-64
CONTINUE PRINTING? (YES/NO)

USER:
Y

PROG:

5
UI - 89004213
AU - Scalfano FP Jr
AU - Prichard JG
AU - Lamki N
AU - Athey PA
AU - Graves RC
TI - Abdominal cryptococcoma in AIDS: a case report.

6
UI - 88238334
AU - Gore RM
AU - Vogelzang RL
AU - Nemcek AA Jr
TI - Lymphadenopathy in chronic active hepatitis: CT observations.
SO - AJR 1988 Jul;151(1):75-8

SS 4 /C?
USER:
file cancerline

PROG:
YOU ARE NOW CONNECTED TO THE CANCERLINE (CANCERLIT) FILE.

SS 1 /C?
USER:
exp lymphatic diseases
PROG:
TIME OVFLW: CONT? (Y/N)

USER:
Y

PROG:
SS (1) PSTG (45176)

SS 2 /C?
USER:
1 and all abdominal

PROG:
SS (2) PSTG (1260)

SS 3 /C?
USER:
2 and all adenopath:

PROG:
SS (3) PSTG (46)

SS 4 /C?
USER:
ts (ti) :adenopath:

PROG:
SS (4) PSTG (8)

SS 5 /C?
USER:
prt

PROG:

1
AU - Montalban C
AU - Arechaga S
AU - Zapatero A
AU - Garcia Larana J
AU - de Oteyza JP
AU - Odriozola J
AU - Bellas C
TI - [ABDOMINAL NON-HODGKIN'S LYMPHOMAS WITH SYSTEMIC CLINICAL MANIFESTATIONS AND ABSENCE OF PERIPHERAL ADENOPATHY]
SI - MEDL/88120565
SO - Med Clin (Barc); 89(14):583-7 1987

2
AU - Deutch SJ
AU  - Beyer D
AU  - Peters PE
TI  - REAL-TIME ULTRASONOGRAPHY - AN EFFICIENT SCREENING METHOD FOR ABDOMINAL AND PELVIC LYMPHADENOPATHY
SI  - ICDB/81088068
SO  - Lymphology; 13(3):142-149 1980

AU  - Orringer EP
AU  - Varia MA
TI  - A ROLE FOR RADIATION IN THE TREATMENT OF HAIRY CELL LEUKEMIA COMPLICATED BY MASSIVE LYMPHADENOPATHY: A CASE REPORT
SI  - ICDB/80066573
SO  - Cancer; 45(8):2047-2050 1980
**Trial search on topic: #01-0674-02**

SS 7 /C?
USER: file aids

PROG: YOU ARE NOW CONNECTED TO THE AIDSLINE (1980 FORWARD, MEDLINE SUBSET) FILE.

SS 1 /C?
USER: subs apply tr, pc

PROG: SUBHEADINGS ACCEPTED.

SS 1 /C?
USER: exp c2.782.815.483.23 (AIDS tree, includes HIV SEROPOSITIVITY)

PROG: SS (1) PSTG (3052)

SS 2 /C?
USER: subs cancel

PROG: SUBHEADINGS CANCELLED.

SS 2 /C?
USER: 1 and exp n2.350.685 (PERSONNEL, HOSPITAL tree)

PROG: SS (2) PSTG (164)

SS 3 /C?
USER: cross infection or occupational diseases

PROG: SS (3) PSTG (837)

SS 4 /C?
USER:
2 and 3

PROG:
SS (4) PSTG (85)

SS 5 /C?
USER:
pert

PROG:

1
SI - MED/89227160
AU - Kneedler JA
AU - Purcell SK
TI - Perioperative nursing research. Part III: Potential intraoperative biological hazards to personnel.
SO - AORN J 1989 Apr;49(4):1066-7, 1070-3, 1076-9 passim

2
SI - MED/89212317
AU - Marcus U
TI - [AIDS. Medical personnel: HIV infection can be prevented by careful behavior (news)]
SO - Fortschr Med 1989 Mar 10;107(7):13

3
SI - ICDB/86018572
AU - Wells RJ
TI - NURSING CARE OF PATIENTS WITH ACQUIRED IMMUNE DEFICIENCY SYNDROME (MEETING ABSTRACT)
SO - 3rd European Conference on Clinical Oncology and Cancer Nursing.

4
SI - AHA/89033172
AU - Kearns KP
AU - Hogg M
TI - Universal precautions: employee resistance and strategies for planned organizational change.

5
SI - AHA/88332262
AU - McPherson DC
AU - Jackson MM
AU - Rogers JC
TI - Evaluating the cost of the body substance isolation system.
SO - J Healthc Mater Manage 1988 Aug-Sep;6(6):20, 22, 24
passim

CONTINUE PRINTING? (YES/NO)

USER:
Y

PROG:

6  SI  -  AHA/88257179
    AU  -  Smith KR
    TI  -  A nurse's plea: reduce AIDS risk.
    SO  -  Health Manage Q 1988 2nd Quarter;10(2):20-1

7  SI  -  AHA/88205506
    AU  -  Blasingame D
    TI  -  BSI plan protects hospital employee, patients.
    SO  -  Tex Hosp 1988 Apr;43(11):38

8  SI  -  AHA/88205502
    AU  -  Prescott J
    TI  -  CDC universal precautions. Protection for employees
          and patients.

9  SI  -  AHA/88175959
    TI  -  Protocol to reduce exposure to AIDS, blood-borne
          diseases.
    SO  -  OR Manager 1988 Apr;4(4):7

10 SI  -  AHA/88032620
     AU  -  Jenna JK
     TI  -  Caring for the caregivers.

11 SI  -  AHA/87314961
     AU  -  Heller R
     TI  -  Program for limiting infections may help hospitals
          comply with treatment guidelines for AIDS patients
          [news]
     SO  -  Mod Healthc 1987 Aug 14;17(17):88

12 SI  -  AHA/87310394
     AU  -  Fluke C
     TI  -  Isolation precautions for AIDS.
     SO  -  J Healthc Mater Manage 1987 Sep;5(6):94-7
Trial search on topic: #02-0327-03

SS 1 /C?
USER:
mandibular neoplasms or mandible

SS (1) PSTG (868)

SS 2 /C?
USER:
1 and neurofibroma

SS (2) PSTG (2)

SS 3 /C?
USER:
prt fu

1
UI - 89094590
AU - Polak M
AU - Polak G
AU - Brocheriou C
AU - Vigneul J
TI - Solitary neurofibroma of the mandible: case report and review of the literature.
LA - Eng
MH - Case Report
MH - Diagnosis, Differential
MH - Hemangioma/PATHOLOGY
MH - Human
MH - Male
MH - Mandibular Neoplasms/*PATHOLOGY
MH - Middle Age
MH - Neurofibroma/*PATHOLOGY
MH - Review
MH - Review, Tutorial
RF - REVIEW ARTICLE: 39 REFS.

2
UI - 88313878
AU - Sailer HF
AU - Kunzler A
AU - Makek MS
TI - [Neurofibrohemangiomatous soft tissue changes with pathognomonic mandibular deformity]
LA - Ger
MH - Hemangioma/*PATHOLOGY
MH - Human
MH - Mandible(PATHOLOGY
MH - Mandibular Neoplasms/*PATHOLOGY
MH - Neurofibroma/*PATHOLOGY
MH - Review
MH - Review of Reported Cases
MH - Soft Tissue Neoplasms/*PATHOLOGY
RF - REVIEW ARTICLE: 16 REFS.
SO - Fortschr Kiefer Gesichtschir 1988;33:84-6

SS 3 /C?
USER:
Trial search on topic:  #02-0448-01
exp analgesia and self administration

PROG:
SS (1) PSTG (25)

SS 2 /C?
USER:
prt

PROG:

1
UI  - 89271119
AU  - Brose WG
AU  - Cohen SE
TI  - Oxyhemoglobin saturation following cesarean section in
patients receiving epidural morphine, PCA, or im
meperidine analgesia.
SO  - Anesthesiology 1989 Jun;70(6):948-53

2
UI  - 89269007
AU  - Kane NE
TI  - Patient-controlled analgesia.

3
UI  - 89263330
AU  - Marlowe S
AU  - Engstrom R
AU  - White PF
TI  - Epidural patient-controlled analgesia (PCA): an
alternative to continuous epidural infusions.

4
UI  - 89260900
AU  - Liew E
AU  - Hui YL
TI  - A preliminary study of long-term epidural morphine for
cancer pain via a subcutaneously implanted reservoir.
SO  - Ma Tsui Hsueh Tsa Chi 1989 Mar;27(1):5-12

5
UI  - 89258220
AU  - Webb CJ
AU  - Stergios DA
AU  - Rodgers BM
TI  - Patient-controlled analgesia as postoperative pain
treatment for children.
The scientific basis of patient-controlled analgesia.

REVIEW ARTICLE: 52 REFS.


CONTINUE PRINTING? (YES/NO)
Trial search on topic: #02-0453-02

subs apply di, ep, pa

PROG:
SUBHEADINGS ACCEPTED.

SS 1 /C?
USER:
exp enterovirus infections or exp parvovirus infections

PROG:
SS (1) PSTG (155)

SS 2 /C?
USER:
subs cancel

PROG:
SUBHEADINGS CANCELLED.

SS 2 /C?
USER:
1 and human

PROG:
TIME OVFLW: CONT? (Y/N)

USER:
Y

PROG:
SS (2) PSTG (119)

SS 3 /C?
USER:
prt

PROG:

1
UI  - 89268591
AU  - Koroleva GA
AU  - Gul’man LA
AU  - Lashkevich VA
AU  - Lukashenko ZS
AU  - Shibanova LK
TI  - [ECHO-II virus, the pathogen of the third outbreak of uveitis in children in Kransnoyarsk, 1986]
SO  - Vopr Virusol 1989 Jan-Feb;34(1):55-65

2
96

3
UI - 89260834
AU - Isaacs D
AU - Wilkinson A
AU - Hope P
AU - Moxon R
AU - Dobson S
TI - Handling echovirus 11 outbreaks [letter]
SO - Lancet 1989 Jun 10;1(8650):1337

4
UI - 89257321
AU - Tsilimigras CW
AU - Rossouw E
AU - Schoub BD
TI - Outbreak of poliomyelitis in South Africa investigated by oligonucleotide mapping.

USER: Y
PROG:

5
UI - 89255863
AU - Pozzetto B
AU - Gaudin OG
AU - Aouni M
AU - Ros A
TI - Comparative evaluation of immunoglobulin M neutralizing antibody response in acute-phase sera and virus isolation for the routine diagnosis of enterovirus infection.

6
UI - 89249462
AU - Ci:zm:ar:ov:a E
AU - Bzd:uch V
AU - Petrovi:cov:a A
AU - Buc M
AU - Cuvarov:a D
AU - Vr:sansk:a V
AU - Koll:ar:ov:a E
AU - Ma:sura J
TI - [Myocarditis in childhood]
SO - Cesk Pediatr 1989 Jan;44(1):6-10

7
UI - 89245919
AU - Woolf AD
AU - Campion GV
AU - Chishick A
AU - Wise S
AU - Cohen BJ
AU - Klouda PT
AU - Caul O
AU - Dieppe PA
TI - Clinical manifestations of human parvovirus B19 in adults.
SO - Arch Intern Med 1989 May;149(5):1153-6

CONTINUE PRINTING? (YES/NO)

USER: y

PROG:

8
UI - 89243662
AU - Nasemann TR
TI - [Erythema infectiosum acutum is not always a harmless disease]
SO - Z Hautkr 1989 Mar 15;64(3):161-2

9
UI - 89236617
AU - Shingu M
TI - Laboratory diagnosis of viral myocarditis. A review.
RF - REVIEW ARTICLE: 28 REFS.
SO - Jpn Circ J 1989 Jan;53(1):87-93

10
UI - 89236614
AU - Deguchi H
AU - Kitaura Y
AU - Hayashi T
AU - Kotaka M
AU - Kawamura K
TI - Cell-mediated immune cardiocyte injury in viral myocarditis of mice and patients.
SO - Jpn Circ J 1989 Jan;53(1):61-77

11
UI - 89234536
AU - Mori J
AU - Field AM
AU - Clewley JP
AU - Cohen BJ
TI - Dot blot hybridization assay of B19 virus DNA in clinical specimens.
SO - J Clin Microbiol 1989 Mar;27(3):459-64

USER: Y

PROG:
12 UI - 89230481
AU - Hlavova H
TI - [Coxsackie A virus infections]
SO - Cesk Epidemiol Mikrobiol Imunol 1989 Mar;38(2):74-81

13 UI - 89218872
TI - Acute hemorrhagic conjunctivitis--Mexico.
SO - MMWR 1989 May 12;38(18):327-9

14 UI - 89209942
AU - Darougar S
AU - Monnickendam MA
AU - Woodland RM
TI - Management and prevention of ocular viral and chlamydial infections.
RF - REVIEW ARTICLE: 281 REFS.

15 UI - 89209547
AU - Tuvemo T
AU - Frisk G
AU - Friman G
AU - Ludvigsson J
AU - Diderholm H
TI - IgM against Coxsackie B viruses in children developing type I diabetes mellitus--a seven-year retrospective study.

16 UI - 89208945
TI - Poliomyelitis outbreak in Israel.
SO - Can Dis Wkly Rep 1988 Nov 12;14(45):208
Trial search on topic:  #02-0622-03

SS 5 /C?
USER:
file aids

PROG:
YOU ARE NOW CONNECTED TO THE AIDSLINE (1980 FORWARD, MEDLINE SUBSET) FILE.

SS 1 /C?
USER:
all look and all back (tw)

PROG:
SS (1) PSTG (10)

SS 2 /C?
USER:
pert

PROG:

1
SI - MED/89161763
AU - King BP
AU - Montella M
TI - A look back: 1988 AIDS legislation and the role of RIMS [editorial]

2
SI - MED/89127539
AU - Allen PJ
AU - Koepke JA
TI - Look-back: transfusion-acquired HIV infection at Duke University Medical Center.

3
SI - MED/89016299
AU - Denson SE
AU - Hoots WK
AU - Pickering LK
AU - Bracey AW
AU - Reves RR
AU - Gresik MV
AU - Werch JS
TI - "Look back: program for blood product recipients: experience with the pediatric population in Houston, Texas."
100


4
SI - MED/87254611
AU - Ng AT
AU - Conway MA
AU - Blanda E
AU - Killigrew RM
AU - Eastman CA
TI - Tracing HIV-infected blood recipients: large-scale recipient screening vs look-back testing [letter]
SO - JAMA 1987 Jul 10;258(2):201-2
CONTINUE PRINTING? (YES/NO)

USER: Y

PROG:

5
SI - MED/87150201
AU - Bove JR
AU - Rigney PR
AU - Kehoe PM
AU - Campbell J
SO - Transfusion 1987 Mar-Apr;27(2):201-2

6
SI - MED/87113165
AU - Kakaiya RM
AU - Cable RG
AU - Keltonic J
TI - Look back: the status of recipients of blood from donors subsequently found to have antibody to HIV [letter]
SO - JAMA 1987 Mar 6;257(9):1176-7

7
SI - MED/88071709
AU - Busch MP
AU - Samson SM
AU - Perkins HA
TI - Is look-back doing the job? [letter]
SO - Transfusion 1987 Nov-Dec;27(6):503-4

8
SI - MED/88071691
AU - Zuck TF
TI - Greetings--a final look back with comments about a policy of a zero-risk blood supply [editorial]
Blood groups: look back" for AIDS.

Greetings--with a brief look back [editorial]

A look back: 1988 AIDS legislation and the role of RIMS [editorial]

Look-back: transfusion-acquired HIV infection at Duke University Medical Center.
LA - Eng
MH - Academic Medical Centers
MH - Acquired Immunodeficiency Syndrome
   EPIDEMIOLOGY/*TRANSMISSION
MH - Adult
MH - Aged
MH - *Blood Banks
MH - Blood Transfusion/*ADVERSE EFFECTS/STATISTICS & NUMER. DATA
MH - Child
MH - Female
MH - Hospital Bed Capacity, 500 and over
MH - Human
MH - Male
MH - Middle Age
MH - North Carolina
MH - Retrospective Studies
CONTINUE PRINTING? (YES/NO)

USER:
y

PROG:

3
SI - MED/89016299
AU - Denson SE
AU - Hoots WK
AU - Pickering LK
AU - Bracey AW
AU - Reves RR
AU - Gresik MV
AU - Werch JS
TI - "Look back: program for blood product recipients: experience with the pediatric population in Houston, Texas.

LA - Eng
MH - Acquired Immunodeficiency Syndrome
   /CLASSIFICATION/IMMUNOLOGY/
   *TRANSMISSION
MH - Adolescence
MH - *Blood Donors
MH - *Blood Transfusion
MH - Child
MH - Child, Preschool
MH - Erythrocytes/TRANSPLANTATION
MH - Human
MH - HIV/*IMMUNOLOGY
MH - HIV Antibodies/*ANALYSIS
MH - Infant
MH - Infant, Newborn
MH - Retrospective Studies
MH - Texas
CONTINUE PRINTING? (YES/NO)

USER: y
PROG:

4
SI - MED/87254611
AU - Ng AT
AU - Conway MA
AU - Blanda E
AU - Killigrew RM
AU - Eastman CA
TI - Tracing HIV-infected blood recipients: large-scale recipient screening vs look-back testing [letter]
LA - Eng
MH - Antibodies, Viral/*ANALYSIS
MH - Blood Transfusion/*ADVERSE EFFECTS
MH - Epidemiologic Methods
MH - Human
MH - HIV/*IMMUNOLOGY
RN - 0 (HIV Antibodies)
SO - JAMA 1987 Jul 10;258(2):201-2

5
SI - MED/87150201
AU - Bove JR
AU - Rigney PR
AU - Kehoe PM
AU - Campbell J
LA - Eng
MH - *Blood Banks
MH - *Blood Transfusion
MH - Human
MH - HTLV Viruses/ISOLATION & PURIFICATION
MH - Patient Compliance
SO - Transfusion 1987 Mar-Apr;27(2):201-2
CONTINUE PRINTING? (YES/NO)

USER: y
PROG:

6
SI - MED/87113165
AU - Kakaiya RM
AU - Cable RG
AU - Keltonic J
TI - Look back: the status of recipients of blood from donors subsequently found to have antibody to HIV [letter]
LA - Eng
MH - Adult
MH - Aged
MH - Aged, 80 and over
MH - Antibodies, Viral/*ANALYSIS
MH - Blood Transfusion/*ADVERSE EFFECTS
MH - Child, Preschool
MH - Female
MH - Human
MH - HIV/*IMMUNOLOGY
MH - Male
MH - Middle Age
RN - 0 (HIV Antibodies)
SO - JAMA 1987 Mar 6;257(9):1176-7

7
SI - MED/88071709
AU - Busch MP
AU - Samson SM
AU - Perkins HA
TI - Is look-back doing the job? [letter]
LA - Eng
MH - *Blood Donors
MH - Human
MH - *HIV Seropositivity
SO - Transfusion 1987 Nov-Dec;27(6):503-4
CONTINUE PRINTING? (YES/NO)

USER:
y

PROG:

8
SI - MED/88071691
AU - Zuck TF
TI - Greetings--a final look back with comments about a policy of a zero-risk blood supply [editorial]
LA - Eng
MH - Acquired Immunodeficiency Syndrome/TRANSMISSION
MH - *Blood Banks
MH - *Health Policy
MH - Human
MH - *Risk Factors
SO - Transfusion 1987 Nov-Dec;27(6):447-8
Blood groups: "look back" for AIDS.

Blood banks or blood transfusion

Retrospective studies or follow-up studies

2 and 3

Risk of disease in recipients of blood from donors later found infected with human immunodeficiency virus (HIV) (meeting abstract)

Prevalence of and mortality from human immunodeficiency virus type 2 in Bissau, West Africa.

Look-back: transfusion-acquired HIV infection at Duke University Medical Center.
TI - [HIV-1 transmission by blood stores at the Eppendorf University Hospital. Result of a retrospective, comparative study]

5
TI - Evidence for plasma-mediated immunomodulation--transfusions of plasma-rich blood components are associated with a greater risk of acquired immunodeficiency syndrome than transfusions of red blood cells alone.

6
TI - Clinical and biological survey of haemophilia A and B patients infused with French heat-treated concentrates.

7
TI - A prospective study of HIV-infected haemophilic boys and the prognostic significance of immune and haematological abnormalities.

8
TI - Epidemiology, clinical features, and prognostic factors of paediatric HIV infection. Italian Multicentre Study.

9
TI - Survival experience among patients with AIDS receiving zidovudine. Follow-up of patients in a compassionate plea program.

10
TI - "Look back: program for blood product recipients: experience with the pediatric population in Houston, Texas.

11
TI - Incidence of symptoms and AIDS in 146 Swedish haemophiliacs and blood transfusion recipients infected with human immunodeficiency virus.

CONTINUE PRINTING? (YES/NO)

USER: n
Trial search on topic: #03-0114-02

SS 1 /C?
USER:
subs apply ae,ad,st,tu

PROG:
SUBHEADINGS ACCEPTED.

SS 2 /C?
USER:
bCG vaccine

PROG:
SS (2) PSTG (260)

SS 3 /C?
USER:
all recommend: or all controver:

PROG:
SS (3) PSTG (9131)

SS 4 /C?
USER:
2 and 3

PROG:
SS (4) PSTG (11)

SS 5 /C?
USER:
prt fu

PROG:

1
UI  - 88113957
AU  - Parthasarathy A
AU  - Sumathi N
AU  - Manoharan R
AU  - Natarajan CD
AU  - Narmada R
AU  - Santhanakrishnan BR
TI  - Controversies in tuberculosis.
LA  - Eng
MH  - Antitubercular Agents/THERAPEUTIC USE
MH  - BCG Vaccine/ADMINISTRATION & DOSAGE
MH  - Child, Preschool
MH  - Human
MH  - Infant
MH - Tuberculin Test
MH - Tuberculosis/*DIAGNOSIS/DRUG THERAPY

2
UI - 88046701
AU - Caglayan S
AU - Yegin O
AU - Kayran K
AU - Timocin N
AU - Kasirga E
AU - Gun M
TI - Is medical therapy effective for regional lymphadenitis following BCG vaccination?
LA - Eng
MH - BCG Vaccine/*ADVERSE EFFECTS
MH - Erythromycin/ANALOGS & DERIVATIVES/THERAPEUTIC USE
MH - Human
MH - Infant
MH - Infant, Newborn
MH - Isoniazid/THERAPEUTIC USE
MH - Lymphadenitis/*DRUG THERAPY/ETIOLOGY
MH - Rifampin/THERAPEUTIC USE
RN - 114-07-8 (Erythromycin)
RN - 13292-46-1 (Rifampin)
RN - 54-85-3 (Isoniazid)
RN - 643-22-1 (erythromycin stearate)
CONTINUE PRINTING? (YES/NO)

USER:
Y

PROG:

3
UI - 87322295
AU - Lugosi L
TI - Stability of the Hungarian National BCG Reference Preparations. Trend of viability during 4-7 years storage at +4 degrees C.
LA - Eng
MH - BCG Vaccine/*STANDARDS
MH - Cold
MH - Hungary
MH - Mycobacterium Bovis/PHYSIOLOGY
MH - Preservation, Biological/*METHODS
MH - Support, Non-U.S. Gov't
MH - Time Factors

4
Human immunodeficiency virus infection and routine childhood immunisation.

Statistical quality control methods in standardization of BCG vaccines.
Long-term stability of BCG vaccine sealed in ampoules under nitrogen with reference to its short-term heat resistance.

[Guidelines for protective immunization. Observations on the new recommendations of the Federal Health Department]

LA - Eng
MH - Aged
MH - Biopsy
MH - Bladder/PATHOLOGY
MH - Bladder Neoplasms/PATHOLOGY/*THERAPY
MH - BCG Vaccine/*THERAPEUTIC USE
MH - Carcinoma, Transitional Cell/PATHOLOGY/*THERAPY
MH - Case Report
MH - Female
MH - Follow-Up Studies
MH - Human
MH - Interleukin 2/*THERAPEUTIC USE
MH - Male
MH - Middle Age
MH - Time Factors
SO - J Urol 1987 Feb;137(2):216-9
CONTINUE PRINTING? (YES/NO)

USER: y

PROG: 9

UI - 87073886
AU - Jacobson ML
AU - Mercer MA
AU - Miller LK
AU - Simpson TW
TI - Tuberculosis risk among migrant farm workers on the Delmarva peninsula.
LA - Eng
MH - Adolescence
MH - Adult
MH - Age Factors
MH - Aged
MH - BCG Vaccine/ADMINISTRATION & DOSAGE
MH - Child
MH - Child, Preschool
MH - Delaware
MH - Epidemiologic Methods
MH - *Ethnic Groups
MH - Female
MH - Human
MH - Male
MH - Maryland
MH - Middle Age
MH - Risk
MH - Sex Factors
MH - Skin Tests
Protective value of BCG vaccination in children in Bangkok, Thailand.

Chavalittamrong B, Chearskul S, Tuchinda M.

TI - [Treatment of superficial tumors of the bladder with bacillus Calmette-Guérin]  
LA - Fre  
MH - Ambulatory Care  
MH - Bladder Neoplasms/*THERAPY  
MH - BCG Vaccine/ADMINISTRATION & DOSAGE/ADVERSE EFFECTS/*THERAPEUTIC USE  
MH - Carcinoma in Situ/*THERAPY  
MH - Carcinoma, Papillary/*THERAPY  
MH - English Abstract  
MH - Female  
MH - Human  
MH - Male  
MH - Neoplasm Recurrence, Local/THERAPY  
MH - Prospective Studies  
MH - Time Factors  
SO - J Urol (Paris) 1986;92(1):33-8
Trial search on topic:  #03-0259-03

SS 8 /C?
USER:
testis and pain

PROG:
SS (8) PSTG (3)

SS 9 /C?
USER:
8 and all chronic: (tw)

PROG:
*NONE-

SS 9 /C?
USER:
file b86

PROG:
YOU ARE NOW CONNECTED TO THE BACK86 (1986 - 87) FILE.

SS 1 /C?
USER:
testis and pain

PROG:
SS (1) PSTG (7)

SS 2 /C?
USER:
1 and all chronic: (tw)

PROG:
*NONE-

SS 2 /C?
USER:
file b83

PROG:
YOU ARE NOW CONNECTED TO THE BACK83 (1983 - 85) FILE.

SS 1 /C?
USER:
testis and pain

PROG:
SS (1) PSTG (7)

SS 2 /C?
USER:
1 and all chronic: (tw)

PROG:
*NONE-
**Trial search on topic: #03-0267-02**

SS 3 /C?
USER: file med

PROG:
YOU ARE ALREADY CONNECTED TO THE MEDLINE FILE.

SS 3 /C?
USER: all asherman: and all syndrome: (tw)

PROG:
SS (3) PSTG (8)

SS 4 /C?
USER: prt

PROG:

1
UI - 89166407
AU - Newton JR
AU - MacKenzie WE
AU - Emens MJ
AU - Jordan JA
TI - Division of uterine adhesions (Asherman's syndrome) with the Nd-YAG laser.
SO - Br J Obstet Gynaecol 1989 Jan;96(1):102-4

2
UI - 89060513
AU - Davydov SN
AU - Klimenko SA
AU - Orlov VM
TI - [Surgical hysteroscopy in preventing the occurrence of Asherman's syndrome following the removal of intrauterine contraceptive devices]
SO - Akush Ginekol (Mosk) 1988 Aug;(8):70-1

3
UI - 88197502
AU - Lancet M
AU - Kessler I
RF - REVIEW ARTICLE: 52 REFS.

4
UI  - 88190956
AU  - Cronje HS
TI  - [The hysteroscopic treatment of Asherman syndrome]

CONTINUE PRINTING? (YES/NO)

USER:
Y

PROG:

5
UI  - 88187045
AU  - Lamp: e LG
TI  - Uterine surgery of sterility.
RF  - REVIEW ARTICLE: 18 REFS.

6
UI  - 88181650
AU  - Smith CE
AU  - Weeks SK
TI  - Anesthesia for cesarean section in a patient with Asherman's syndrome.
SO  - Anesthesiology 1988 Apr;68(4):615-8

7
UI  - 88112289
AU  - Spitznagel E
AU  - Daly DC
TI  - Sector ultrasound in the diagnosis and treatment of hematometria secondary to Asherman's syndrome.

8
UI  - 88073739
AU  - Mendelson EB
AU  - Bohm-Velez M
AU  - Joseph N
AU  - Neiman HL
TI  - Endometrial abnormalities: evaluation with transvaginal sonography.
SO  - AJR 1988 Jan;150(1):139-42

SS 4 /C?
USER:
exp uterine diseases or exp uterus

PROG:
SS (4) PSTG (4224)

SS 5 /C?
USER:
4 and adhesions

PROG:
SS (5) PSTG (21)

SS 6 /C?
USER:
5 and all intrauterine: (tw)

PROG:
SS (6) PSTG (3)

SS 7 /C?
USER:
6 and not 3

PROG:
SS (7) PSTG (2)

SS 8 /C?
USER:
prt

PROG:

1
UI - 88250326
AU - Valle RF
AU - Sciarra JJ
TI - Intrauterine adhesions: hysteroscopic diagnosis, classification, treatment, and reproductive outcome.

2
UI - 88225406
TI - The American Fertility Society classifications of adnexal adhesions, distal tubal occlusion, tubal occlusion secondary to tubal ligation, tubal pregnancies, mullerian anomalies and intrauterine adhesions.
Trial search on topic: #03-0269-01

file med

PROG:
YOU ARE ALREADY CONNECTED TO THE MEDLINE FILE.

SS 1 /C?
USER:
intestinal pseudo-obstruction

PROG:
SS (1) PSTG (77)

SS 2 /C?
USER:
1 and all myopath: (tw)

PROG:
SS (2) PSTG (7)

SS 3 /C?
USER:
prt

PROG:

1
UI - 89095969
AU - Colemont LJ
AU - Camilleri M
RF - REVIEW ARTICLE: 38 REFS.

2
UI - 88313510
AU - Jayachandar J
AU - Frank JL
AU - Jonas MM
TI - Isolated intestinal myopathy resembling progressive systemic sclerosis in a child.
SO - Gastroenterology 1988 Oct;95(4):1114-8

3
UI - 88284676
AU - Venizelos ID
AU - Shousha S
AU - Bull TB
AU - Parkins RA
TI - Chronic intestinal pseudo-obstruction in two
patients. Overlap of features of systemic sclerosis and visceral myopathy.

4
UI - 88230114
AU - Hyman PE
AU - McDiarmid SV
AU - Napolitano J
AU - Abrams CE
AU - Tomomasa T
TI - Antroduodenal motility in children with chronic intestinal pseudo-obstruction.

CONTINUE PRINTING? (YES/NO)

USER: Y

PROG:

5
UI - 88226119
AU - Cervera R
AU - Bruix J
AU - Bayes A
AU - Blesa R
AU - Illa I
AU - Coll J
AU - Garcia-Puges AM
TI - Chronic intestinal pseudoobstruction and ophthalmoplegia in a patient with mitochondrial myopathy.
SO - Gut 1988 Apr;29(4):544-7

6
UI - 88213754
AU - Alstead EM
AU - Murphy MN
AU - Flanagan AM
AU - Bishop AE
AU - Hodgson HJ
TI - Familial autonomic visceral myopathy with degeneration of muscularis mucosae.

7
UI - 88152423
AU - Schuffler MD
AU - Pagon RA
AU - Schwartz R
AU - Bill AH
TI  - Visceral myopathy of the gastrointestinal and genitourinary tracts in infants.
SO  - Gastroenterology 1988 Apr;94(4):892-8
Trial search on topic: #03-0340-02

SS 1 /C?
USER: colonic polyps

PROG:
SS (1) PSTG (207)

SS 2 /C?
USER: 1 and exp ascorbic acid

PROG:
MM (ASCORBIC ACID) (4)
  1 D2.241.81.844.107
  2 D2.241.511.902.107
  3 D9.203.811.100
  4 D11.786.100
NUMBER, NONE, OR EXPAND-

USER: 1

PROG:
SS (2) PSTG (1)

SS 3 /C?
USER: prt

PROG:
 1
UI - 88282413
AU - McKeown-Eyssen G
AU - Holloway C
AU - Jazmaji V
AU - Bright-See E
AU - Dion P
AU - Bruce WR
TI - A randomized trial of vitamins C and E in the prevention of recurrence of colorectal polyps.

SS 3 /C?
USER: file cancer

PROG:
YOU ARE NOW CONNECTED TO THE CANCERLINE (CANCERLIT) FILE.
Because supplements of vitamins C and E had been associated with reduction of fecal mutagen levels, a double-blind randomized trial was designed to examine the effects of these vitamins on the rate of recurrence of colorectal polyps, presumed precursors for colorectal cancer. Two hundred patients believed to be free of polyps after removal of at least one colorectal polyp were randomized to receive a supplement of 400 mg each of ascorbic acid and alpha-tocopherol, or a placebo. Fifteen patients had to be excluded because a review of pathology indicated that their polyps were not adenomatous. A second
colonoscopic examination was planned after 2 yr of supplementation. One hundred thirty-seven people (75% of eligible subjects) completed the study; polyps were observed in the second colonoscopy in 41.4% of 70 subjects on vitamin supplements and in 50.7% of 67 subjects on placebos. After adjustment for differences between groups in demographic and dietary factors before study entry, the relative risk of polyp occurrence was 0.86, with 95% confidence limits from 0.51 to 1.45, in an analysis of 129 subjects with complete information on demographic and dietary factors who had completed the trial. Of the 48 patients who had not completed the study, 7 had died, 33 had not returned to their physician for an examination, and 8 had had a follow-up colonoscopy or sigmoidoscopy. Inclusion of the three polyps found in these eight examinations led to an estimate of relative risk of 0.86 (95% confidence limits, 0.51 to 1.43). The findings of this investigation suggest that any reduction in the rate of polyp recurrence associated with vitamin supplementation is small, and a larger study would be required to ensure that an effect of this size was not a chance finding.

CONTINUE PRINTING? (YES/NO)

USER:
Y

PROG:

2
AU - McKeown-Eyssen GE
AU - Holloway C
AU - Jazmaji V
AU - Dion P
AU - Bruce WR
AD - Ludwig Inst. for Cancer Research, Toronto Branch, 9 Earl Street, Toronto, Ontario M4Y 1M4, Canada
TI - A RANDOMIZED TRIAL OF VITAMIN C AND E SUPPLEMENTATION IN THE PREVENTION OF RECURRENCE OF COLORECTAL POLYPS (MEETING ABSTRACT)
SI - ICDB/87036558
SO - Prev Med; 16(2):275 1987
LA - ENG
AB - Because supplements of vitamins C and E had reduced the level of fecal mutagen in stool (Bruce WR et al, Origins of Human Cancer, Hiatt HH et al, eds, Cold Spring Harbor, 1977; and Dion PW et al, Mutat Res; 102:27-37, 1982), a double-blind randomized trial was designed to examine the effects of vitamins C and E on the rate of colorectal polyp recurrence in persons who
had at least one adenomatous polyp removed by polypectomy (Bruce WR et al, Cancer; 47:1121-5, 1981). Two hundred patients who were free of polyps after polypectomy were randomized to receive either a supplement of 400 mg each of ascorbic acid and alpha-tocopherol or a placebo. After 2 years, patients were examined by colonoscopy to establish whether polyps had recurred. Polyps were observed in the second colonoscopy in 30.2% of eligible subjects who received vitamins and in 38.2% of those who had received placebos, leading to a relative risk estimate of 0.79. After adjustment for differences between groups in dietary factors before study entry, the relative risk of polyp recurrence was 0.82 with 95% confidence limits from 0.61 to 1.33. These findings suggest that polyp recurrence may be reduced by about 20% with vitamin supplementation, but a larger study would be required to rule out the possibility that this was a chance finding.

CONTINUE PRINTING? (YES/NO)

USER: y

PROG:

3
AU - McKeown-Eyssen GE
AU - Holloway C
AU - Jazmaji V
AU - Dion P
AU - Bruce WR
AD - Ludwig Inst. for Cancer Res., Toronto Branch, Toronto, Ontario M4Y 1M4, Canada
TI - A RANDOMIZED TRIAL OF VITAMIN C AND E SUPPLEMENTATION IN THE PREVENTION OF RECURRENCE OF COLORECTAL POLYPS (MEETING ABSTRACT) ICDB/87035331
LA - ENG
AB - Because supplements of vitamins C and E had reduced the level of fecal mutagens in stool, a double-blind randomized trial was designed to examine the effects of vitamins C and E on the rate of recurrence of colorectal polyps in persons who had had at least one adenomatous polyp removed by polypectomy. Two hundred patients (pts) who were free of polyps after polypectomy were randomized to receive a supplement of 400 mg each of ascorbic acid and alpha-tocopherol, or a placebo. After 2 yr, pts were examined by colonoscopy to establish whether polyps had recurred. Polyps were observed in the second colonoscopy in
30.2% of eligible subjects who had received vitamins and 38.2% of those who had received placebos, leading to an estimate of relative risk of 0.79. After adjustment for differences between groups in dietary factors before study entry, the relative risk of polyp recurrence was 0.82 with 95% confidence limits from 0.61 to 1.33. These findings suggest that polyp recurrence may be reduced by about 20% with vitamin supplementation, but a larger study would be required to rule out the possibility that this was a chance finding.

CONTINUE PRINTING? (YES/NO)

USER: y

PROG:

4
AU - McKeown-Eyssen GE
AD - Ludwig Institute for Cancer Research, Toronto, Ontario, Canada.
TI - DIETARY APPROACHES TO THE PREVENTION OF LARGE BOWEL CANCER
SI - MEDL/85298586
SO - Prog Clin Biol Res; 186:277-84 1985
LA - ENG

5
AU - Dion PW
AD - Univ. of Toronto (Canada)
TI - ON THE PREVENTION OF LARGE BOWEL CANCER
SI - ICDB/85004215
SO - Diss Abstr Int (Sci); 43(12):3813-14-B 1983
LA - ENG
AB - Studies were conducted which were directed towards the primary prevention of large bowel cancer. This disease has primarily an environmental etiology, and diet may play a key role. Human feces have been examined for the presence of carcinogens, cocarcinogens, or promitators of the disease, and many studies have revealed one or more substances to be commonly present in feces which are mutagenic to the Salmonella bacterial tester strains. In this research an extraction-fractionation method to search for all major non-volatile fecal mutagens was devised and applied to feces from 24 donors from a wide socioeconomic spectrum. Feces were extracted with acetone, and a two-step chromatographic fractionation scheme was used. Assay of mutagens was with the standard plate mutagenicity assay with Salmonella
typhimurium tester strains, with and without microsomal activation. It was found that virtually all fecal mutagenicity could be attributed to one lipid-soluble mutagen active on both TA-98 and TA-100. The effect of supplemental ascorbic acid and alpha-tocopherol on fecal mutagenicity was examined in two studies. The vitamins were given at a dose of 400 mg daily each. The mutagen was extracted from feces with dichloromethane, and assayed with Salmonella typhimurium TA-100 without activation. In one study, with a single donor on a controlled diet, fecal mutagenicity decreased (p less than .001) on treatment to 21% of control. In the second study, with 19 donors on free-choice diets, mutagenicity in producers on treatment decreased (p less than .01) to 26% of control. Addition of the antioxidants directly to feces led to no change in mutagenicity. A clinical trial was implemented to test the effectiveness of this dietary intervention in preventing human disease. Recent developments in the application of endoscopic methods and in the description of pathological processes leading to cancer have permitted the use of a precursor lesion as the study endpoint. The benign neoplastic polyp was chosen on the basis of its link to bowel cancer, its ease of quantitation, its prevalence in the population and its natural history. A protocol for a prospective randomized double-blind study of the effect of ascorbic acid and alpha-tocopherol on the rate of recurrence of colorectal polyps is described. (Author abstract)
Trial search on topic: #03-0376-02

SS 1 /C?
USER:
exp n2.350.630 (NURSES tree)

PROG:
SS (1) PSTG (1528)

SS 2 /C?
USER:
consultants or referral a#d consultation

PROG:
SS (2) PSTG (1309)

SS 3 /C?
USER:
1 and 2

PROG:
SS (3) PSTG (37)

SS 4 /C?
USER:
prt ti,mh

PROG:

1
TI - An entrepreneurial role for the nurse consultant.
MH - Adult
MH - Aged
MH - *Consultants
MH - Demography
MH - Ethics, Nursing
MH - Female
MH - Human
MH - Interprofessional Relations
MH - Male
MH - Middle Age
MH - *Nurse Clinicians

2
TI - Issues in liability insurance and the nursing consultant.
MH - Contract Services/LEGISLATION & JURISPRUD.
MH - Human
MH - Insurance, Liability/*LEGISLATION & JURISPRUD.
MH - Malpractice/LEGISLATION & JURISPRUD.
MH - Nurse Clinicians/*LEGISLATION & JURISPRUD.
MH - Referral and Consultation/*LEGISLATION & JURISPRUD.
MH - United States

3
TI - The psychiatric nurse in liaison psychiatry.
MH - Adolescence
MH - Aged
MH - Case Report
MH - Diabetes Mellitus, Insulin-Dependent/PSYCHOLOGY
MH - Heart Failure, Congestive/PSYCHOLOGY
MH - Human
MH - Interprofessional Relations
MH - Male
MH - Mental Disorders/*THERAPY
MH - Nurse Clinicians/*TRENDS
MH - Patient Care Team/*TRENDS
MH - Psychiatric Nursing/*TRENDS
MH - Referral and Consultation/*TRENDS
MH - Sick Role
MH - Support, Non-U.S. Gov't
CONTINUE PRINTING? (YES/NO)

USER:
y

PROG:

4
TI - The clinical nurse specialist: a catalyst in the nursing diagnosis evolution.
MH - Clinical Nursing Research
MH - Consultants
MH - Education, Nursing
MH - Human
MH - Nurse Administrators
MH - *Nurse Clinicians
MH - *Nursing Assessment
MH - *Nursing Diagnosis
MH - Patients/CLASSIFICATION

5
TI - Disorders of excessive daytime sleepiness.
MH - Adult
MH - Case Report
MH - Diagnosis, Differential
MH - Female
MH - Human
MH - Male
MH - Middle Age
MH - Nurse Practitioners
MH - Nursing Assessment
MH - Patient Education
MH - Referral and Consultation
MH - Sleep/*PHYSIOLOGY
MH - Sleep Disorders/NURSING/*PHYSIOPATHOLOGY

TI - The role of the addictions nurse specialist in a general hospital setting.
MH - Case Report
MH - *Hospitals, General
MH - Human
MH - Male
MH - Middle Age
MH - *Nurse Clinicians
MH - Nursing Research
MH - Patient Education
MH - Referral and Consultation
MH - Role
MH - Substance Dependence/*NURSING

CONTINUE PRINTING? (YES/NO)

USER: Y

PROG:

TI - Patient smoking cessation--treatment strategies.
MH - Aversive Therapy
MH - Human
MH - Nicotine/ADMINISTRATION & DOSAGE
MH - *Nurse Practitioners
MH - Referral and Consultation
MH - Relaxation Technics
MH - Smoking/DRUG THERAPY/*PREVENTION & CONTROL

TI - The ally too many nurses ignore.
MH - *Consultants
MH - Human
MH - Interprofessional Relations
MH - *Nurse Clinicians
MH - *Nursing Staff, Hospital

TI - Third party reimbursement for CNS consultation.
MH - *Consultants
MH - Cost Benefit Analysis
MH - Human
MH - *Insurance, Health, Reimbursement
MH - Nurse Clinicians/*ECONOMICS
MH - United States

10
TI - Consultation: a review and analysis of the literature.
MH - Burns/PSYCHOLOGY
MH - Community-Institutional Relations
MH - Computer Assisted Instruction
MH - *Consultants
MH - Emergency Service, Hospital
MH - Geriatric Nursing
MH - Human
MH - *Nurses
MH - Operating Room Nursing
MH - Psychiatric Nursing
MH - Review
MH - Review, Tutorial
CONTINUE PRINTING? (YES/NO)

USER:
y

PROG:

11
TI - Recognizing borderline personality disorder in the primary care client.
MH - Adult
MH - Ambulatory Care
MH - Borderline Personality Disorder/*DIAGNOSIS
MH - Case Report
MH - Diagnosis, Differential
MH - Female
MH - Human
MH - Medical History Taking
MH - Nurse Practitioners
MH - Personality Disorders/*DIAGNOSIS
MH - Physical Examination
MH - Primary Health Care
MH - Referral and Consultation

12
TI - International nursing consultation: a perspective on ethical issues.
MH - Adult
MH - Africa, Eastern
MH - Comparative Study
MH - *Cross-Cultural Comparison
MH - *Ethics, Nursing
MH - Far East
MH - Female
MH - Human
MH - Latin America
MH - Male
MH - Middle Age
MH - Middle East
MH - *Nurses
MH - *Referral and Consultation
MH - United States
Trial search on topic: #03-0677-03

USER:
file med

PROG:
YOU ARE NOW CONNECTED TO THE MEDLINE (1988 - 89) FILE.

SS 1 /C?
USER:
subs apply pa

PROG:
SUBHEADINGS ACCEPTED.

USER:
exp lymphoma, non-hodgkins or exp leukemia, lymphocytic or lymphoma, lymphocytic

PROG:
MM (LYMPHOMA, NON-HODGKINS) (3)
  1 C4.557.337.428
  2 C15.604.515.569.480
  3 C20.683.515.761.480
NUMBER, NONE, OR EXPAND-

USER:
3

PROG:
MM (LEUKEMIA, LYMPHOCYTIC) (3)
  1 C4.557.337.428
  2 C15.604.515.560
  3 C20.683.515.528
NUMBER, NONE, OR EXPAND-

USER:
1

PROG:
SS (1) PSTG (1011)

SS 2 /C?
USER:
1 and all lymphoblastic (tw)

PROG:
SS (2) PSTG (167)

SS 3 /C?
134

USER:
ts (ti) : lymphoblastic:

PROG:
(120) SCHD (67) QUAL; CONT? (Y/N)

USER:
y

PROG:
SS (3) PSTG (92)

SS 4 /C?
USER:
prt

PROG:

1
UI - 89238734
AU - Svoboda T
AU - Ji:ri:ck:ka Z
AU - Kl:ir P
TI - Spontaneous acute lymphoblastic leukemia in Sprague-Dawley rats.
   II. Clinicopathologic observations.
SO - Neoplasma 1989;36(2):149-54

2
UI - 89237309
AU - Touw I
AU - Groot-Loonen J
AU - Broeders L
AU - van Agthoven T
AU - H:ahlen K
AU - Hagemeijer A
AU - L:owenberg B
TI - Recombinant hematopoietic growth factors fail to induce a proliferative response in precursor B acute lymphoblastic leukemia.
SO - Leukemia 1989 May;3(5):356-62

3
UI - 89235696
AU - Bordigoni P
AU - Vernant JP
AU - Souillet G
AU - Gluckman E
AU - Marininchi D
AU - Milpied N
AU - Fischer A
AU - Benz Lemoine E
AU - Jouet JP
AU - Reiffers J
CONTINUE PRINTING? (YES/NO)

PROG:
SUBHEADINGS CANCELLED.

SS 4 /C?
USER:
3 and human

PROG:
TIME OVFLW: CONT? (Y/N)

USER:
Y

PROG:
SS (4) PSTG (88)

SS 5 /C?
USER:
prt

PROG:

1
UI - 89237309
AU - Touw I
AU - Groot-Loonen J
AU - Broeders L
AU - van Agthoven T
AU - H:ahlen K
AU - Hagemeijer A
AU - L:owenber B
TI - Recombinant hematopoietic growth factors fail to induce a proliferative response in precursor B acute lymphoblastic leukemia.
SO - Leukemia 1989 May;3(5):356-62

2
UI - 89235696
AU - Bordigoni P
AU - Vernant JP
AU - Souillet G
AU - Gluckman E
AU - Marininchi D
AU - Milpied N
AU - Fischer A
AU - Benz Lemoine E
AU - Jouet JP
AU - Reiffers J

CONTINUE PRINTING? (YES/NO)
USER: Y

PROG: 3

UI - 89229717
AU - Mazzuccconi MG
AU - Amadori S
AU - Mandelli F
TI - Prognostic factors in adult acute lymphoblastic leukemia (ALL).
SO - Bone Marrow Transplant 1989 Jan;4 Suppl 1:90-1

PROG: 4

UI - 89229715
AU - Gulati SC
AU - Gaynor J
AU - Esseesse I
AU - Gee T
AU - Little C
AU - Andreeff M
AU - Berman E
AU - Kempin S
AU - Clarkson B
TI - Use of prognostic factors in deciding therapy for adult acute lymphoblastic leukemia: new approaches at Memorial Sloan-Kettering Cancer Center (MSKCC).
SO - Bone Marrow Transplant 1989 Jan;4 Suppl 1:86-9

PROG: 5

UI - 89229682
AU - Favrot M
AU - Philip I
AU - Combaret V
AU - Favone E
AU - Bouffet E
AU - Biron P
AU - Philip T
TI - Monoclonal antibodies and complement purged autograft
in Burkitt lymphoma and lymphoblastic leukemia.
SO - Bone Marrow Transplant 1989 Jan;4 Suppl 1:202-4
CONTINUE PRINTING? (YES/NO)

USER:
y

PROG:

6
UI - 89229648
AU - Santini G
AU - Congiu A
AU - D'Amico T
AU - Gaozza E
AU - Occhini D
AU - Carlier P
AU - Nati S
AU - Pungolino E
AU - Marmont AM
TI - Lymphoblastic lymphoma (LBL) and acute lymphoblastic leukaemia (ALL) in adults: relationships and therapeutic perspectives.
SO - Bone Marrow Transplant 1989 Jan;4 Suppl 1:106-7

7
UI - 89229442
AU - Pui CH
AU - Raimondi SC
AU - Dodge RK
AU - Rivera GK
AU - Fuchs LA
AU - Abromowitz M
AU - Look AT
AU - Furman WL
AU - Crist WM
AU - Williams DL
TI - Prognostic importance of structural chromosomal abnormalities in children with hyperdiploid (greater than 50 chromosomes) acute lymphoblastic leukemia.
CONTINUE PRINTING? (YES/NO)

USER:
Trial search on topic: #03-0705-02

USER:
file cancer

PROG:
YOU ARE NOW CONNECTED TO THE CANCERLINE (CANCERLIT) FILE.

SS 1 /C?
USER:
exp colony-stimulating factor

PROG:
MM (COLONY-STIMULATING FACTOR) (2)
  1 D12.776.395.240
  2 D24.185.348.350
NUMBER, NONE, OR EXPAND-

USER:
2

PROG:
SS (1) PSTG (1764)

SS 2 /C?
USER:
1 and eosinophils

PROG:
SS (2) PSTG (27)

SS 3 /C?
USER:
2 and exp c4.588.894.797.520

PROG:
SS (3) PSTG (1)

SS 4 /C?
USER:
prt

PROG:

1
AU  - Kodama T
AU  - Takada K
AU  - Kameya T
AU  - Shimosato Y
AU  - Tsuchiya R
AU  - Okabe T
TI  - LARGE CELL CARCINOMA OF THE LUNG ASSOCIATED WITH
MARKED EOSINOPHILIA. A CASE REPORT
SI - MEDL/85024510
SO - Cancer; 54(10):2313-7 1984

SS 4 /C?
USER: 2 and not for

PROG:
SS (4) PSTG (27)

SS 5 /C?
USER: prt 10 ti

PROG:

1
TI - PREFERENTIAL DIFFERENTIATION OF INFLAMMATORY CELLS
BY RECOMBINANT HUMAN INTERLEUKINS

2
TI - STIMULATION OF HUMAN HEMATOPOIETIC PROGENITOR CELL
PROLIFERATION AND DIFFERENTIATION BY RECOMBINANT
HUMAN INTERLEUKIN 3. COMPARISON AND INTERACTIONS
WITH RECOMBINANT HUMAN GRANULOCYTE-MACROPHAGE AND
GRANULOCYTE COLONY-STIMULATING FACTORS

3
TI - FC GAMMA R-MEDIATED KILLING BY EOSINOPHILS

4
TI - HUMORAL REGULATION OF EOSINOPHILPOIESIS IN VITRO:
ANALYSIS OF THE TARGETS OF INTERLEUKIN-3,
GRANULOCYTE/MACROPHAGE COLONY-STIMULATING FACTOR
(GM-CSF), AND INTERLEUKIN-5

5
TI - ESTABLISHMENT OF EOSINOPHILIC SUBLINES FROM HUMAN
PROMYELOCYTIC LEUKEMIA (HL-60) CELLS: DEMONSTRATION
OF MULTIPOTENTIALITY AND SINGLE-LINEAGE COMMITMENT OF
HL-60 STEM CELLS

6
TI - CLONAL ANALYSIS OF THE RESPONSE OF HL60 HUMAN
MYELOID LEUKEMIA CELLS TO BIOLOGICAL REGULATORS

7
TI - DETECTION OF LUXOL-FAST-BLUE POSITIVE CELLS IN HUMAN
PROMYELOCYTIC LEUKEMIA CELL LINE HL-60
CHARACTERIZATION OF A HUMAN EOSINOPHIL PROTEOGLYCAN, AND AUGMENTATION OF ITS BIOSYNTHESIS AND SIZE BY INTERLEUKIN 3, INTERLEUKIN 5, AND GRANULOCYTE/MACROPHAGE COLONY STIMULATING FACTOR

HUMAN EOSINOPHILS HAVE PROLONGED SURVIVAL, ENHANCED FUNCTIONAL PROPERTIES, AND BECOME HYPODENSE WHEN EXPOSED TO HUMAN INTERLEUKIN 3

EFFECT OF HUMAN RECOMBINANT INTERLEUKIN 5 AND G-CSF ON EOSINOPHIL COLONY FORMATION