

Tips and Strategies for Effective Literature Searching

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What I plan to talk about

- ◇ General hints for searching
- ◇ Power searching PubMed
 - ◇ Advanced Search
 - ◇ MeSH
- ◇ Introducing Embase
 - ◇ Special search interfaces
 - ◇ Emtree
- ◇ Getting full text of articles
- ◇ Managing references with Endnote and Zotero

General hints for searching

- ◆ Try putting quotes around exact phrases

Search "**peer education**"

[830](#)

Search **peer education**

[21705](#)

General hints for searching

- ◇ Most databases support a truncation function
 - ◇ Adolescen* = adolescent OR adolescents OR adolescence

General hints for searching

◆ Take a look at what fields are available

PubMed

hiv mexico

Can social network analysis help to include marginalised young women in structural support programmes in Botswana? A mixed methods study.

[Loutfi D](#)¹, [Andersson N](#)^{2,3}, [Law S](#)^{4,5}, [Salsberg J](#)⁶, [Haggerty J](#)², [Kgakole L](#)⁷, [Cockcroft A](#)^{2,7}.

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- 6 Graduate Entry Medical School, University of Limerick, Plassey Park, Co. Limerick, V94 T9PX, Ireland.
- 7 CIET Trust Botswana, PO Box 1240, Gaborone, Botswana.

Abstract

BACKGROUND: In Botswana, one fifth of the adult population is infected with HIV, with young women most at risk. Structural factors such as poverty, poor education, strong gender inequalities and gender violence render many young women unable to act on choices to protect themselves from HIV. A national trial is testing an intervention to assist young women to access government programs for returning to education, and improving livelihoods. Accessing marginalised young women (aged 16-29 and not in education, employment or training) through door-to-door recruitment has proved inefficient. We investigated social networks of young women to see if an approach based on an understanding of these networks could help with recruitment.

Using the PICO framework

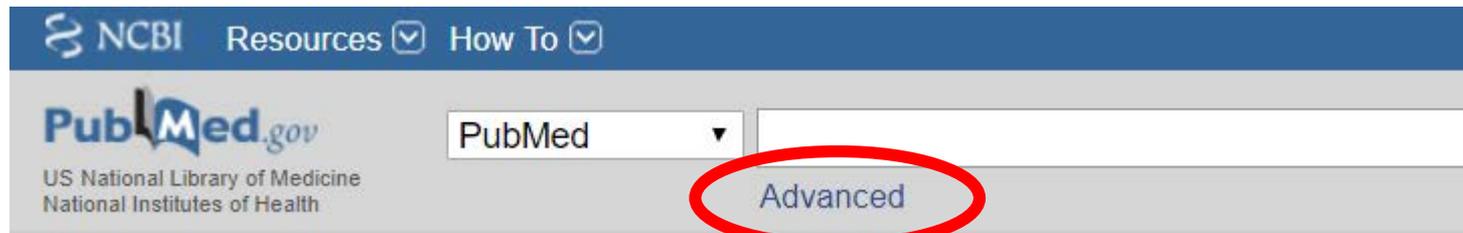
- ◆ PICO helps you structure an answerable question
 - ◆ **P**opulation
 - ◆ **I**ntervention
 - ◆ **C**omparison or control
 - ◆ **O**utcome
- ◆ Not all research topics neatly fit into PICO format, but it helps to think about each component concept of your topic before you come up with the keywords you plan to search

Using the PICO framework

- ◇ Example
 - ◇ **P**opulation: HIV+ African Americans
 - ◇ **I**ntervention: counseling
 - ◇ **C**omparison or control:
 - ◇ **O**utcome: ART adherence

Power searching in PubMed

- ◆ The Advanced search screen



Power searching in PubMed

(("african american") OR "african americans") OR black

[Edit](#)

Builder

All Fields	▼	"african american"		
OR	▼	All Fields	▼	"african americans"
OR	▼	All Fields	▼	black
AND	▼	All Fields	▼	

Search or [Add to history](#)

PubMed constructs the search based on what you type in the builder

If there are multiple ways that the literature might talk about this concept, use OR to connect the synonyms

This adds it to the history section at the bottom of the page. You can use it again later

Power searching in PubMed

((art OR "antiretroviral treatment")) AND adherence

[Edit](#)

Builder

All Fields ▼

art OR "antiretroviral treatment"

AND ▼

All Fields ▼

adherence

AND ▼

All Fields ▼

Search

or [Add to history](#)

Use AND if both words need to appear in the results

You can also type operators directly into the search box

Power searching in PubMed

(counsel*) AND intervention

[Edit](#)

Builder

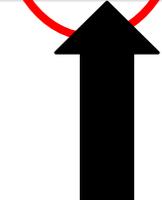
All Fields	▼	counsel*		
AND	▼	All Fields	▼	intervention
AND	▼	All Fields	▼	

or [Add to history](#)

Power searching in PubMed

[Download history \(](#)

Add to builder	Query	Items found
Add	Search (counsel*) AND intervention	63420
Add	Search ((art OR "antiretroviral treatment")) AND adherence	4119
Add	Search (("african american") OR "african americans") OR black	221442



Clicking
"Add"
puts the
searches
back into
the
builder

Power searching in PubMed

((((counsel*) AND intervention)) AND (((art OR "antiretroviral treatment")) AND adherence)) AND (((("african american") OR "african americans") OR black))

[Edit](#)

[Clear](#)

Builder

All Fields	▼	(counsel*) AND intervention	⊖	Show index list		
AND	▼	All Fields	▼	((art OR "antiretroviral treatment")) AND adherence	⊖	Show index list
AND	▼	All Fields	▼	((("african american") OR "african americans") OR black	⊖	Show index list
AND	▼	All Fields	▼		⊖ ⊕	Show index list

Search [Add to history](#)

History

[Download history](#) [Clear history](#)

Search	Add to builder	Query	Items found	Time
#17	Add	Search (counsel*) AND intervention	63420	20:23:47
#16	Add	Search ((art OR "antiretroviral treatment")) AND adherence	4119	20:20:52
#14	Add	Search ((("african american") OR "african americans") OR black	221442	20:19:12

Power searching in PubMed

- ◆ Why use the Advanced search screen?
 - ◆ Easy way to access fields
 - ◆ When you build your search one piece at a time, it's easy to go back and edit only a part of the search instead of having to dig through a long search string

Power searching in PubMed

◇ Why did we get this result?

Multidisciplinary Point-of-Care Testing in South African Primary Health Care Clinics Accelerates HIV ART Initiation but Does Not Alter Retention in Care.

[Stevens WS](#)¹, [Gous NM](#), [MacLeod WB](#), [Long LC](#), [Variava E](#), [Martinson NA](#), [Sanne I](#), [Osih R](#), [Scott LE](#).

⊕ Author information

Abstract

BACKGROUND: Lack of accessible laboratory infrastructure limits HIV antiretroviral therapy (ART) initiation, monitoring, and retention in many resource-limited settings. Point-of-care testing (POCT) is advocated as a mechanism to overcome these limitations. We executed a pragmatic, prospective, randomized, controlled trial comparing the impact of POCT vs. standard of care (SOC) on treatment initiation and retention in care.

METHODS: Selected POC technologies were embedded at 3 primary health clinics in South Africa. Confirmed HIV-positive participants were randomized to either SOC or POC: SOC participants were venesected and specimens referred to the laboratory with patient follow-up as per algorithm (~3 visits); POC participants had phlebotomy and POCT immediately on-site using Pima CD4 to assess ART eligibility followed by hematology, chemistry, and tuberculosis screening with the goal of receiving same-day adherence counseling and treatment initiation. Participant outcomes measured at recruitment 6 and 12 months after initiation.

RESULTS: Four hundred thirty-two of 717 treatment eligible participants enrolled between May 2012 and September 2013: 198 (56.7%) SOC; 234 (63.6%) POC. Mean age was 37.4 years; 60.5% were female. Significantly more participants were initiated using POC [adjusted prevalence ratio (aPR) 0.83; 95% confidence interval (CI): 0.74 to 0.93; $P < 0.0001$], the median time to initiation was 1 day for POC and 26.5 days for SOC. The proportion of patients in care and on ART was similar for both arms at 6 months (47 vs. 50%) (aPR 0.96; 95% CI: 0.79 to 1.16) and 12 months (32 vs. 32%) (aPR 1.05; 95% CI: 0.80 to 1.38), with similar mortality rates. Loss to follow-up at 12 months was higher for POC (36% vs. 51%) (aPR 0.82; 95% CI: 0.65 to 1.04).

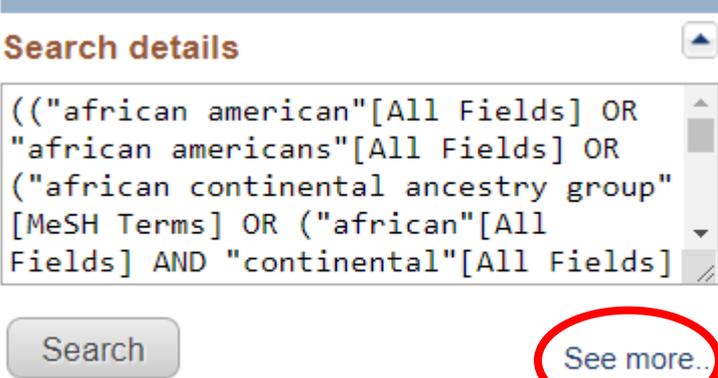
CONCLUSIONS: Adoption of POCT accelerated ART initiation but once on treatment, there was unexpectedly higher loss to follow-up on POC and no improvement in outcomes at 12 months over SOC.

PMID: 28542080 DOI: [10.1097/QAI.0000000000001456](https://doi.org/10.1097/QAI.0000000000001456)

[Indexed for MEDLINE]

Power searching in PubMed

- ◆ When you don't specify a field to search, PubMed does Automatic Term Mapping
- ◆ You can see this on the search results page (unless the results are sorted by Best Match)



The screenshot shows a 'Search details' window with a search query: `((("african american"[All Fields] OR "african americans"[All Fields] OR ("african continental ancestry group"[MeSH Terms] OR ("african"[All Fields] AND "continental"[All Fields]`. Below the query are two buttons: 'Search' and 'See more..', with the latter circled in red.

```
Search details
```

```
((("african american"[All Fields] OR  
"african americans"[All Fields] OR  
("african continental ancestry group"  
[MeSH Terms] OR ("african"[All  
Fields] AND "continental"[All Fields]
```

Search

See more..

Power searching in PubMed

- ◆ If you are getting weird results, it may be because PubMed is mapping your keywords to a MeSH term
- ◆ In this case, notice it mapped to “African Continental Ancestry Group”

Translations:

black	"african continental ancestry group"[MeSH Terms] OR ("african"[All Fields] AND "continental"[All Fields] AND "ancestry"[All Fields] AND "group"[All Fields]) OR "african continental ancestry group"[All Fields] OR "black"[All Fields] OR "african americans"[MeSH Terms] OR ("african"[All Fields] AND "americans"[All Fields]) OR "african americans"[All Fields]
art	"art"[MeSH Terms] OR "art"[All Fields]
intervention	"methods"[MeSH Terms] OR "methods"[All Fields] OR "intervention"[All Fields]

MeSH

- ◇ MeSH is Medical Subject Headings, a thesaurus and taxonomy used to index MEDLINE records
 - ◇ PubMed has all of MEDLINE in it and some extra records as well, so not everything in PubMed has MeSH terms assigned
- ◇ Looks like this on a PubMed record
- ◇ Words after a forward slash / are subheadings
- ◇ Terms with an asterisk * are Major Topic
 - ◇ More on those soon!

Publication types, MeSH terms, Substance

Publication types

Review

Systematic Review

MeSH terms

African Americans/psychology*

Anti-HIV Agents/administration & dosage

Anti-HIV Agents/therapeutic use*

Antiretroviral Therapy, Highly Active

Attitude to Health

Culture

HIV Infections/drug therapy*

HIV Infections/ethnology.

HIV Infections/psychology.

Humans

Medication Adherence/ethnology*

Medication Adherence/psychology.

Racism

Substance

Anti-HIV Agents

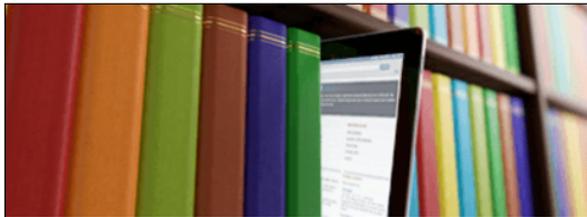
MeSH

◆ To look up a MeSH term, use the MeSH database

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PubMed.gov PubMed Search

US National Library of Medicine National Institutes of Health Advanced Help



PubMed

PubMed comprises more than 29 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

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[Topic-Specific Queries](#)

More Resources

[MeSH Database](#)

[Journals in NCBI Databases](#)

[Clinical Trials](#)

[E-Utilities \(API\)](#)

[LinkOut](#)

MeSH

Full ▾

African Continental Ancestry Group

Individuals whose ancestral origins are in the continent of Africa.

Year introduced: 2004

PubMed search builder options

[Subheadings:](#)

- | | | |
|---|--|--|
| <input type="checkbox"/> analysis | <input type="checkbox"/> ethnology | <input type="checkbox"/> mortality |
| <input type="checkbox"/> blood | <input type="checkbox"/> etiology | <input type="checkbox"/> organization and administration |
| <input type="checkbox"/> classification | <input type="checkbox"/> genetics | <input type="checkbox"/> physiology |
| <input type="checkbox"/> diagnosis | <input type="checkbox"/> history | <input type="checkbox"/> psychology |
| <input type="checkbox"/> education | <input type="checkbox"/> legislation and jurisprudence | <input type="checkbox"/> statistics and numerical data |
| <input type="checkbox"/> epidemiology | <input type="checkbox"/> metabolism | |

Restrict to MeSH Major Topic.

Do not include MeSH terms found below this term in the MeSH hierarchy.

Tree Number(s): M01.686.508.100

MeSH Unique ID: D044383

Entry Terms:

- Negroid Race
- Negroid Races
- Race, Negroid
- Races, Negroid
- Blacks
- Negroes
- Negro

[All MeSH Categories](#)

[Persons Category](#)

[Persons](#)

[Population Groups](#)

[Continental Population Groups](#)

African Continental Ancestry Group

[African Americans](#)

MeSH heading and definition

Check these subheadings to limit to only certain aspects of these topics

Check the taxonomic tree to make sure you're in the right place: can go broader or narrower

MeSH

Full ▾

African Americans

Persons living in the United States having origins in any of the black groups of Africa.
Year introduced: 1976

PubMed search builder options

[Subheadings:](#)

- | | | |
|---|--|--|
| <input type="checkbox"/> classification | <input type="checkbox"/> etiology | <input type="checkbox"/> organization and administration |
| <input type="checkbox"/> diagnosis | <input type="checkbox"/> genetics | <input type="checkbox"/> physiology |
| <input type="checkbox"/> education | <input type="checkbox"/> history | <input type="checkbox"/> psychology |
| <input type="checkbox"/> epidemiology | <input type="checkbox"/> legislation and jurisprudence | <input type="checkbox"/> statistics and numerical data |
| <input type="checkbox"/> ethnology | | |

Send to: ▾

PubMed Search Builder

"African Americans"[Mesh]

Add to search builder

AND ▾

Search PubMed

Click Add to search builder if you want to search PubMed with this term

YouTube Tutoria

Related information

PubMed

PubMed - Major Topic

MeSH

- ◆ The Automatic Term Mapping also mapped our original search to the MeSH term “Art” which is not helpful

NCBI Resources ▾ How To ▾

MeSH MeSH ▾ art

Create alert Limits Advanced

Summary ▾ 20 per page ▾

Search results

Items: 1 to 20 of 24

<< First < Prev Page

- [Art](#)
 1. Processes and results of aesthetic expression.
- [Sensory Art Therapies](#)
 2. Therapies using arts or directed at the senses.
Year introduced: 2002
- [Art Therapy](#)
 3. The use of **art** as an adjunctive therapy in the treatment of neurological, mental, or behavioral disorders.
Year introduced: 1974

MeSH

❖ But there may be a more relevant term for us

MeSH
[Create alert](#) [Limits](#) [Advanced](#)

Summary ▾

Send

Search results

Items: 3

[Anti-Retroviral Agents](#)

1. Agents used to treat RETROVIRIDAE INFECTIONS.
Year introduced: 2004

[Anti-Retroviral Agents \[Pharmacological Action\]](#)

2.

[Antiretroviral Therapy, Highly Active](#)

3. Drug regimens, for patients with HIV INFECTIONS, that aggressively suppress HIV replication. The regimens usually involve administration of three or more different drugs including a protease inhibitor.
Year introduced: 2001

MeSH

- ◇ We can add this to the builder along with the African American term
- ◇ Then we can click Search PubMed to see the results in PubMed

PubMed Search Builder 

```
("African Americans"[Mesh]) AND  
"Antiretroviral Therapy, Highly  
Active"[Mesh]
```

MeSH

- ◆ If you click on any result in PubMed and scroll below the abstract, you can click on the + to open the section with MeSH terms and confirm that both “African Americans” and “Antiretroviral Therapy, Highly Active” appear there

The impact of African Americans' beliefs about HIV medical care on treatment adherence: a systematic review and recommendations for interventions.

[Gaston GB¹](#), [Alleyne-Green B.](#)

[+ Author information](#)

Abstract

Disparities in access to and retention of regular HIV medical treatment persist among African Americans living with HIV. Many scholars believe that the mistrust of health care held by many African Americans stems from a legacy of abuse, from medical experimentation on slaves to the unethical practices with patients in the Tuskegee Syphilis study. We performed a systematic appraisal of the literature, using several key terms, in order to understand how attitudes about HIV-related health care influence African Americans' engagement in care. We examined peer-reviewed studies published during the period January 2001 through May 2012. An initial search generated 326 studies. Sixteen descriptive studies met our inclusion criteria. Experiences of racism, conspiracy beliefs and the quality of provider relationships appeared to impact engagement. Providers should openly investigate personal beliefs that adversely affect their treatment decisions, listen to patient narratives, and share treatment decisions in order to create a transparent environment.

PMID: 23010941 DOI: [10.1007/s10461-012-0323-x](https://doi.org/10.1007/s10461-012-0323-x)

[Indexed for MEDLINE]



[Publication types](#), [MeSH terms](#), [Substance](#)



MeSH

- ◆ Notice they do both appear on this record
- ◆ Also notice how some of these MeSH terms are marked with an asterisk *
- ◆ Those are the Major Topics of the article

Publication types, MeSH terms, Substance

Publication types

Review

Systematic Review

MeSH terms

African Americans/psychology*

Anti-HIV Agents/administration & dosage

Anti-HIV Agents/therapeutic use*

Antiretroviral Therapy, Highly Active

Attitude to Health

Culture

HIV Infections/drug therapy*

HIV Infections/ethnology.

HIV Infections/psychology.

Humans

Medication Adherence/ethnology*

Medication Adherence/psychology.

Racism

Substance

Anti-HIV Agents

MeSH

- ◇ Out of 13 MeSH terms in this example, only 4 are Major
- ◇ You search only for Major Topics if you want your results to be more focused and relevant
- ◇ Remember that you will get fewer results by searching for a Major MeSH term

Publication types, MeSH terms, Substance

Publication types

Review

Systematic Review

MeSH terms

African Americans/psychology*

Anti-HIV Agents/administration & dosage

Anti-HIV Agents/therapeutic use*

Antiretroviral therapy, Highly Active

Attitude to Health

Culture

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HIV Infections/ethnology.

HIV Infections/psychology.

Humans

Medication Adherence/ethnology*

Medication Adherence/psychology.

Racism

Substance

Anti-HIV Agents

MeSH

- ◆ To search for a MeSH term as a Major Topic, there's a checkbox on the MeSH record

African Continental Ancestry Group

Individuals whose ancestral origins are in the continent of Africa.

Year introduced: 2004

PubMed search builder options

Subheadings:

analysis

blood

classification

diagnosis

education

epidemiology

ethnology

etiology

genetics

history

legislation and jurisprudence

metabolism

mortality

organization and administration

physiology

psychology

statistics and numerical data

Restrict to MeSH Major Topic.

Do not include MeSH terms found below this term in the MeSH hierarchy.

MeSH

- ◆ Remember that all your PubMed searches are temporarily saved in the Advanced search screen, so you can combine MeSH terms with your other searches

Builder

	All Fields ▼	((art OR "antiretroviral treatment")) AND adherence
OR ▼	All Fields ▼	"Antiretroviral Therapy, Highly Active"[Mesh] AND adherence
AND ▼	All Fields ▼	

MeSH

- ◆ Why use MeSH terms at all?
 - ◆ To be quick
 - ◆ Get to the most relevant information by using a subheading with Major Topic
 - ◆ To be thorough
 - ◆ PubMed has many short, vague, or missing abstracts. MeSH indexing gives another source of searchable information about the content besides the publisher-provided title and abstract

Questions?

- ◆ bethanymyers@library.ucla.edu
- ◆ x42030

Introducing Embase

- ◇ Large database of biomedical literature similar to PubMed
- ◇ Embase vs. PubMed/MEDLINE
 - ◇ Embase claims to have 2700+ journals not indexed in MEDLINE
 - ◇ Stronger coverage outside North America
 - ◇ 1.75 million conference abstracts from 5500+ conferences
- ◇ <http://www.embase.com>
 - ◇ Need proxy or VPN to access from off-campus

Introducing Embase

◆ The default search screen is called “Quick search”

The first Emtree release in 2019 is now available! [See what's new.](#)

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Quick search

AND e.g. american heart

AND e.g. watson j

AND e.g. Mary Jane

+ Add search field

Show 0 results >

Limit to:

Publication years (including): 2019 to 2019

Records added to Embase (including end date): 1-1-2016 to 31-12-2016

Evidence Based Medicine

Cochrane Review Controlled Clinical Trial

Systematic Review Randomized Controlled Trial

Meta Analysis

Introducing Embase

- ❖ As you start typing a search query, Embase will prompt you to use a controlled vocabulary term (more on that soon)

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Quick Search

Quick PICO PV Wizard Advanced Drug Disease Device Article Authors

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Quick search

AND Journal name 375,607

AND Author name

AND Author's first name

+ Add search field

Limit to:

Publication years (including): 2019 to 2019

Records added to Embase (including end date): 1-1-2016 to 31-12-2016

Evidence Based Medicine

Cochrane Review Controlled Clinical Trial

Systematic Review Randomized Controlled Trial

Meta Analysis

Introducing Embase

- ❖ As you start typing a search query, Embase will prompt you to use a controlled vocabulary term (more on that soon)
- ❖ It will also show you how many results you'll get for that query

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Quick search	heart attac			
AND	Journal name	heart attack use heart infarction e.g. american heart		375,607
AND	Author name	e.g. watson j		
AND	Author's first name	e.g. Mary Jane		

[+ Add search field](#) [Reset form](#)

Limit to:

<input type="checkbox"/> Publication years (including): 2019 to 2019	<input type="checkbox"/> Records added to Embase (including end date): 1-1-2016 to 31-12-2016	Evidence Based Medicine <input type="checkbox"/> Cochrane Review <input type="checkbox"/> Controlled Clinical Trial <input type="checkbox"/> Systematic Review <input type="checkbox"/> Randomized Controlled Trial <input type="checkbox"/> Meta Analysis
---	--	--

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Results

Your search

'heart attack'/exp OR 'heart attack' OR (('heart'/exp OR heart) AND attack)

Search > Mapping ▾ Date ▾ Sources ▾ Fields ▾ Quick limits ▾ EBM ▾ Pub. types ▾ Languages ▾ Gender ▾ Age ▾ Animal ▾

Results Filters

+ Expand - Collapse all [Apply >](#)

- Sources ▾
- Drugs ▾
- Diseases ▾
- Devices ▾
- Floating Subheadings ▾
- Age ▾
- Gender ▾
- Study types ▾
- Publication types ▾
- Journal titles ▾
- Publication years ▾
- Authors ▾
- Conference Abstracts ▾

Filters

History Save | Delete | Print view | Export | Email [Combine >](#) using And Or

#1 'heart attack'/exp OR 'heart attack' OR (('heart'/exp OR heart) AND attack)

Your search history, which can be reused and recombined

394,072 results for search #1 [Set email alert](#) [Set RSS feed](#) [Search details](#) [Index miner](#)

Results View | Print | Export | Email | Order | Add to Clipboard

Select number of items ▾ Selected: 0 [clear](#)

- 1 Culprit lesion location and outcome in patients with cardiogenic shock complicating myoc...
Fürnau G., Fengler K., Desch S., Eitel I., De Waha S., Böhm M., PöB J., Schneider S., Schuler G., Werdan K., Zeymer U., Tr...
Wiener Klinische Wochenschrift 2016 128:3 Supplement 1 (S271-S272)
Embase [Abstract](#) [Index Terms](#) [View Full Text](#) [UC-eLinks](#)
- 2 Culprit vessel versus multivessel intervention for primary percutaneous coronary intervent...
study of 9,377 patients
Iqbal B., Ilesley C., Kabir T., Smith R., Lane R., Mason M., Archbold A., Crake T., Firoozi S., Kalra S., Knight C., Lim P., Math...
Journal of the American College of Cardiology 2014 63:12 SUPPL. 1 (A6-)
Embase [Abstract](#) [Index Terms](#) [View Full Text](#) [UC-eLinks](#)
- 3 The physician's role in minimizing prehospital delay in patients at high risk for acute myoca...
Dracup K., Alonzo A.A., Atkins J.M., Bennett N.M., Braslow A., Clark L.T., Eisenberg M., Ferdinand K.C., Frye R., Green L.,...
White S.K.
Annals of Internal Medicine 1997 126:8 (645-651) Cited by: 146
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Translated Title

Culprit lesion location and outcome in patients with cardiogenic shock complicating myocardial infarction: A substudy of the IABP-SHOCK II-Trial

Wiener Klinische Wochenschrift 2016 128:3 Supplement 1 (S271 - S272)

Translated Abstract

Background: In myocardial infarction without CS the affected coronary vessel has significant influence on final infarct size and patient prognosis. For CS data on this relation are scarce. The objective of this study was to determine the prognostic relevance of the culprit lesion location in patients with cardiogenic shock (CS) complicating acute myocardial infarction. Methods: In the Intraaortic Balloon Pump in Cardiogenic Shock II (IABP-SHOCK II) trial patients with CS were randomized to therapy with intraaortic balloon pump or control. Additional CS patients not eligible for the randomized trial were included in a registry. We compared the location of the culprit lesions in these patients with regard to affected coronary vessel (left main [LM], left anterior descending [LAD], left circumflex [LCX] and right coronary artery [RCA]) and location within the vessel (proximal or mid/distal) regarding short- and long-term outcome. Results: Of 758 patients the majority had the culprit lesion in the LAD (44 %) compared to RCA (27 %), LCX (19 %) or LM (10 %). Proximal lesions were more frequent than mid/distal culprit lesions (60 vs. 40 %, $p < 0.001$). No differences were observed for mortality with respect to either culprit vessel (logrank-p-value = 0.54) or proximal vs. mid/distal location of the culprit lesion (log-rank-p-value = 0.45). This was also true after multivariable adjustment, independent predictors of outcome were serum lactate, success of revascularization, age, serum creatinine, prior stroke, known peripheral artery disease and left bundle branch block at admission. Conclusions: For patients with CS complicating myocardial infarction, the culprit lesion localization seems to be unrelated with mortality.

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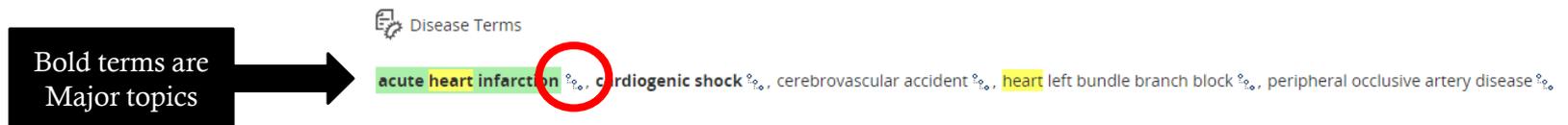
[Disease Terms](#)

[acute heart infarction](#) %., [cardiogenic shock](#) %., [cerebrovascular accident](#) %., [heart](#) left bundle branch block %., [peripheral occlusive artery disease](#) %.

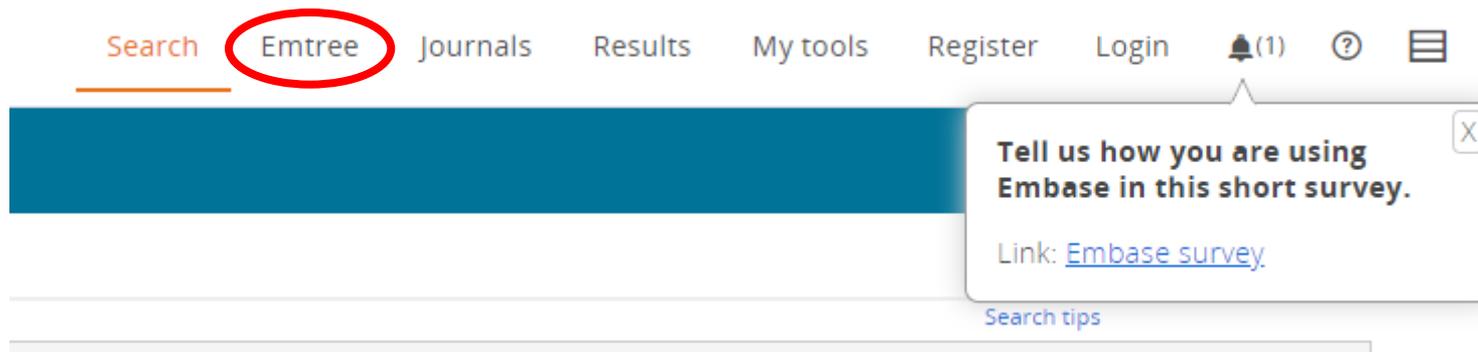
Emtree
terms

Emtree

- ◆ Emtree is Embase's version of MeSH
- ◆ Standardized subject headings
- ◆ From an Embase record you can click the tiny icon to go to that term's Emtree record



- ◆ Or click Emtree in the top right corner of the screen



Emtree

- ◆ Index term in taxonomic tree
 - ◆ Broader
 - ◆ Narrower
- ◆ Explode to include all narrower terms

Query Builder ▼
Build a multi-term search query

Find Term | Browse by Facet

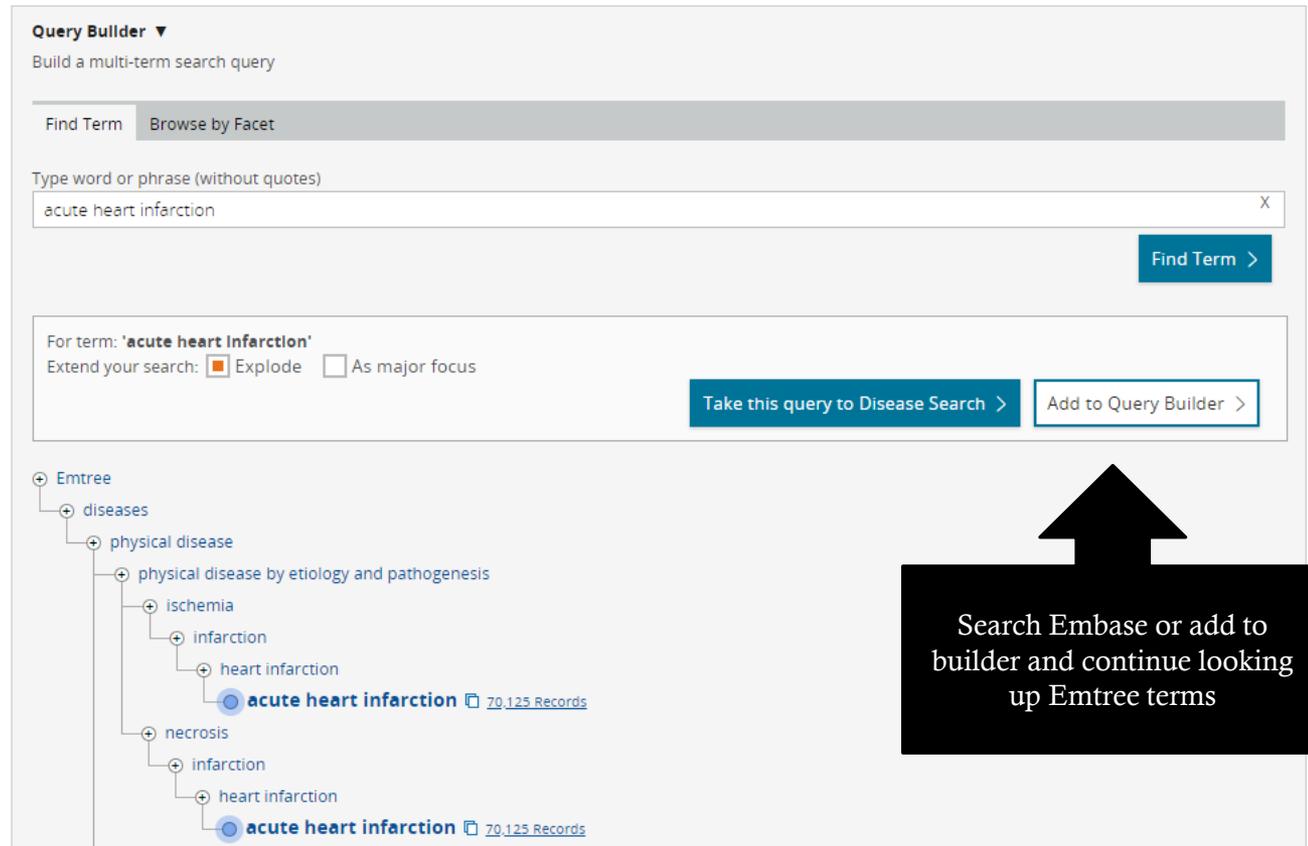
Type word or phrase (without quotes)
acute heart infarction X

Find Term >

For term: '**acute heart infarction**'
Extend your search: Explode As major focus

Take this query to Disease Search > | Add to Query Builder >

⊕ Emtree
⊕ diseases
⊕ physical disease
⊕ physical disease by etiology and pathogenesis
⊕ ischemia
⊕ infarction
⊕ heart infarction
● **acute heart infarction** 70,125 Records
⊕ necrosis
⊕ infarction
⊕ heart infarction
● **acute heart infarction** 70,125 Records



The screenshot displays the Emtree Query Builder interface. At the top, there is a 'Query Builder' section with a dropdown arrow and the instruction 'Build a multi-term search query'. Below this, there are two tabs: 'Find Term' (selected) and 'Browse by Facet'. A search input field contains the text 'acute heart infarction' and has a small 'X' icon on the right. To the right of the input field is a blue button labeled 'Find Term >'. Below the search field, there is a section for the selected term: 'For term: 'acute heart infarction''. It includes two options: 'Extend your search: Explode' and ' As major focus'. To the right of these options are two buttons: 'Take this query to Disease Search >' and 'Add to Query Builder >'. At the bottom of the interface is a taxonomic tree. The tree starts with 'Emtree' at the root, followed by 'diseases', 'physical disease', 'physical disease by etiology and pathogenesis', 'ischemia', 'infarction', 'heart infarction', and finally 'acute heart infarction' which is highlighted with a blue circle and has a record count of '70,125 Records'. There is also a 'necrosis' branch with 'infarction' and 'heart infarction' sub-branches, with the final 'acute heart infarction' node also highlighted and having a record count of '70,125 Records'.

Search Embase or add to builder and continue looking up Emtree terms

Embase's special search screens

- ◆ Embase has a number of search interfaces that are tailored towards particular types of searches

Embase®

Quick Search

Quick

PICO

PV Wizard

Advanced

Drug

Disease

Device

Article

Authors

Embase's special search screens

- ❖ PICO search prompts you to format your question as PICO
- ❖ Search or browse Emtree terms, or start typing and accept the pop up suggestions

Find best term 🔍 ⬇️

Emtree

- anatomical concepts
- biological functions
- biomedical disciplines, science and art
- chemical, physical and mathematical phenomena
- chemicals and drugs
- diseases
- geographic names
- groups by age and sex
- health care concepts
- named groups of persons
- organisms
- procedures, parameters and devices
- society and environment
- types of article or study

Population
e.g. diabetes

Intervention
e.g. insulin

Comparison
e.g. placebo

Outcome
e.g. risk

Study design (or miscellaneous)
e.g. randomized controlled trial

Embase's special search screens

◆ PV Wizard for pharmacovigilance

PV Wizard - Drug Name Select Language ▼

Quick PICO **PV Wizard** Advanced Drug Disease Device Article Authors

[EMA's MLM searches >](#)

Drug name Alternative drug names Adverse drug reactions Special situations Human limit

Drug name

e.g. Paracetamol Clear field

Subheadings

- | | |
|---|---|
| <input checked="" type="checkbox"/> Adverse drug reaction | <input type="checkbox"/> Drug combination |
| <input checked="" type="checkbox"/> Drug toxicity | <input type="checkbox"/> Drug comparison |
| <input checked="" type="checkbox"/> Drug interaction | <input type="checkbox"/> Drug therapy |

Embase's special search screens

- ◆ Advanced
 - ◆ More control over fields
 - ◆ Options for Emtree
 - ◆ Search limits

e.g. 'cancer gene therapy'/exp OR ((treatment OR therapy) NEAR/5 fluorouracil):ab

[Search >](#) [Mapping ^](#) [Date v](#) [Sources v](#) [Fields v](#) [Quick limits v](#) [EBM v](#) [Pub. types v](#) [Languages v](#) [Gender v](#) [Age v](#) [Animal v](#) [Search tips v](#)

Embase mapping options [Clear page selections](#) [Collapse](#)

Map to preferred term in Emtree Limit to terms indexed in article as 'major focus'

Search also as free text in all fields

Explode using narrower Emtree terms

Search as broadly as possible

Embase's special search screens

◆ Drug, Disease, Device

- ◆ Highlights fields and Emtree subheadings relevant to these topics

The image displays three screenshots of the Embase search interface, each showing a search bar and a navigation menu. The first screenshot shows the 'Drug' mapping options, the second shows the 'Disease' mapping options, and the third shows the 'Device' mapping options. Each screenshot includes a search bar with a placeholder text (e.g., 'e.g. low molecular weight heparin'), a 'Search >' button, and a navigation menu with 'Mapping' highlighted. The 'Device' screenshot also includes a section for 'Embase mapping options' with several checkboxes.

e.g. 'low molecular weight heparin'

Search > Mapping ^ Date v Sources v Drug fields v Drug subheadings v Routes v Quick limits v EBM v Pub. types v Languages v Search tips v

e.g. 'acute myeloblastic leukaemia'

Search > Mapping ^ Date v Sources v Fields v Disease subheadings v Quick limits v EBM v Pub. types v Languages v Search tips v

e.g. 'mydevice'

Search > Mapping ^ Date v Sources v Device fields v Device subheadings v Quick limits v EBM v Pub. types v Languages v Search tips v

Embase mapping options Clear page selections Collapse

Map to preferred term in Emtree Limit to terms indexed in article as 'major focus'

Search also as free text in all fields

Explode using narrower Emtree terms

Search as broadly as possible

Embase's special search screens

- ◆ Article
 - ◆ Citation matching

Article title: <input type="text"/>	ISSN: <input type="text"/>
Author Name: e.g. Smith J.A. <input type="text"/>	CODEN: This is only available for titles added before 2005 <input type="text"/>
Journal Title: <input checked="" type="checkbox"/> Exact <input type="text"/>	Volume: <input type="text"/>
Abbreviated Journal Title: <input checked="" type="checkbox"/> Exact <input type="text"/>	Issue: <input type="text"/>
<input type="checkbox"/> Publication Years from: 2019 ▼ to 2019 ▼	First page: <input type="text"/>
<input type="button" value="Search >"/>	

Embase's special search screens

◆ Author

◆ Disambiguate authors & their affiliations

Author last name	Author first name
<input type="text" value="e.g. Watson"/>	<input type="text" value="e.g. John"/>
Affiliation	First name initials
<input type="text" value="e.g. University of Toronto"/>	<input type="text" value="e.g. H."/>
ORCID	
<input type="text" value="e.g. 1111-2222-3333-444x"/>	

Find author >

Proximity searching

◆ NEAR/X and NEXT/X

<input type="checkbox"/> History	Save Delete Print view Export Email	Combine >	using <input checked="" type="radio"/> And <input type="radio"/> Or	^ Collapse
<input type="checkbox"/> #2	(parent* OR family OR families) NEAR/5 (education* OR train*) NEAR/5 nutrition NEAR/5 (intervention OR program OR workshop OR class)			80
<input type="checkbox"/> #1	(parent* OR 'family'/exp OR family OR 'families'/exp OR families) AND (education* OR train*) AND ('nutrition'/exp OR nutrition) AND ('intervention'/exp OR intervention OR 'program'/exp OR program OR 'workshop'/exp OR workshop OR class)			13,182

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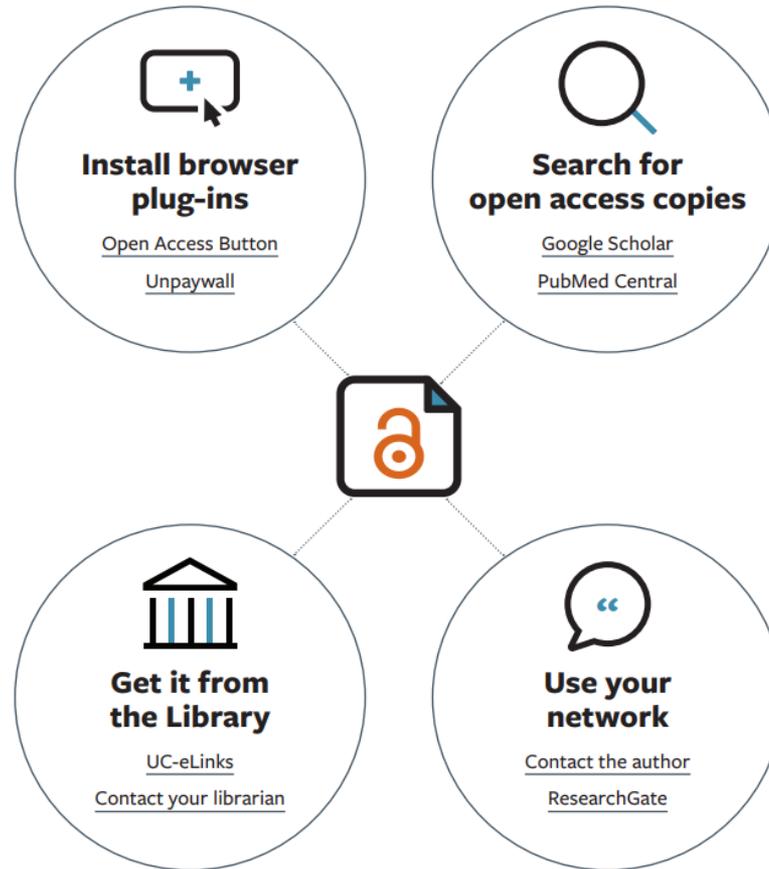
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Managing references

- ◆ You have a lot of options
 - ◆ https://en.wikipedia.org/wiki/Comparison_of_reference_management_software
- ◆ Today we'll be looking briefly at these:
 - ◆ Endnote X9
 - ◆ \$68 with academic discount, unlimited storage
 - ◆ Zotero (open source)
 - ◆ Free with 300MB storage
 - ◆ Storage upgrade: \$20-\$120/year for 2GB-unlimited

Managing references

- ◆ Which one should I use?
- ◆ Endnote is better at:
 - ◆ Organizing large libraries with hundreds or thousands of results
 - ◆ Facilitating workflows requiring sophisticated organization
 - ◆ Editing citation styles if you need a custom output
 - ◆ Importing PDFs *after* you import the reference
 - ◆ De-duplication of results
- ◆ Zotero is better at:
 - ◆ Importing PDFs at the *same time* you import the reference
 - ◆ Importing references one at a time from the web
 - ◆ Importing webpages and other non-journal sources
- ◆ If you are going to do a systematic review or meta-analysis you should probably buy Endnote

Endnote

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APA 6th

Quick Search

Hide Search Panel

My Library

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- Configure Sync...
- Recently Added (0)
- Unfiled (0)
- Trash (0)
- My Groups
 - CINAHL (489)
 - Cochrane economic ... (3)
 - Cochrane reviews (12)
 - Cochrane trials (202)
 - Embase (4145)
 - PubMed (2861)
 - Web of Science (3228)
- Find Full Text

Search Options Search Whole Library Match Case Match Words

Author Contains

Author	Year	Title
Abacioglu, U.; Ca...	2010	Gamma knife radiosurgery in non small cell lung cancer patients with brain metastases:
Abacioglu, U.; Oz...	2014	VMAT radiosurgery with flattening filter free photon beams for benign brain lesions in
Abacioglu, U.; Oz...	2014	Critical appraisal of RapidArc radiosurgery with flattening filter free photon beams for l
Abacioglu, U.; Oz...	2014	Critical appraisal of RapidArc radiosurgery with flattening filter free photon beams for l
Abacioglu, U.; Oz...	2014	Critical appraisal of RapidArc radiosurgery with flattening filter free photon beams for l
Abboud, M.; Had...	2009	Extraneural metastases from cranial meningioma: a case report
Abdelaziz, O. S.	2000	Radiosurgery in neurosurgical practice - IV: Stereotactic radiosurgery for metastatic br
Abd-El-Barr, M. ...	2015	No free lunch: Secondary neoplasms after stereotactic radiation
Abd-El-Barr, M. ...	2015	No Free Lunch: Secondary Neoplasms After Stereotactic Radiation
Abe, E.; Aoyama, ...	2012	The role of whole brain radiation therapy for the management of brain metastases in tl
Abe, E.; Aoyama, ...	2012	The role of whole brain radiation therapy for the management of brain metastases in tl
Abe, E.; Aoyama, ...	2012	The Role of Whole Brain Radiation Therapy for the Management of Brain Metastases in
Abe, M.; Tabuchi,...	2005	[Recent management of metastatic brain tumors]
Abe, M.; Tokuma...	2006	Stereotactic radiation therapy with chemotherapy in the management of recurrent me
Abe, M.; Tokuma...	2006	Stereotactic radiation therapy with chemotherapy in the management of recurrent me
Abe, T.; Kamida, ...	2009	Intracranial infiltration by recurrent scalp dermatofibrosarcoma protuberans
Abe, T.; Kondo, A...	2004	[Adenoid cystic carcinoma with striking intracranial extension: a case report]
Abe, T.; Kondo, A...	2004	Adenoid cystic carcinoma with striking intracranial extension: A case report
Abel, R. J.; Ji, L.; ...	2015	Stereotactic radiosurgery to the resection cavity for brain metastases: prognostic facto
Abel, R. J.; Ji, L. Y...	2015	Stereotactic radiosurgery to the resection cavity for brain metastases: prognostic facto
Abel, R. J.; Leder...	2014	Stereotactic radiosurgery to the resection cavity for brain metastases: Prognostic facto
Abel, R. J.; Leder...	2014	Stereotactic Radiosurgery to the Resection Cavity for Brain Metastases: Prognostic Fac
Abisheva, Z.; Ada...	2018	The effect of MLC leaf width in single isocenter multi-target radiosurgery with VMAT
Aboudaram, A.; ...	2017	Concurrent radiotherapy for patients with metastatic melanoma and receiving anti-pro
Abraham, C.; Gar...	2014	Dosimetric variables predictive of local control following stereotactic radiosurgery (SR)
Abraham, C.; Gar...	2018	Internal dose escalation is associated with increased local control for non-small cell lung

Reference Preview Attach

Rating

Author
Abd-El-Barr, M. M.
Chiocca, E. A.

Year
2015

Title
No Free Lunch: Secondary Neoplasms After Stereotactic Radiation

Journal
World Neurosurgery

Volume
83

Issue
3

Pages
330-331

Date
Mar

Type of Article
Editorial Material

Alternate Journal
World Neurosurg.

ISSN
1878-8750

DOI
10.1016/j.wneu.2014.02.016

Accession Number

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