Learning Outcomes
By the end of today’s session, you will be able to:

• Search the Electronic Journals for a journal title (recap)

• Formulate and execute a search strategy in Usearch using truncation, phrases and other search tools

• Formulate and execute a scaffold keyword search in Embase using truncation, phrases and other search tools

• Know where to find subject guide

• Have an awareness of other relevant databases

• Export citations to RefWorks
Assess the efficacy of afatinib as a treatment for lung cancer
Scoping searches
Preparing for your search

Before you start it is important to find out what is already written on your topic.

Carrying out a broad scoping search of the literature will:
- give you an overview of the current body of research
- help identify appropriate study types
- identify key authors
- identify key interventions/tools/models etc.
- identify any gaps in the research.

All of which will help to focus your research topic into a research question.
Searching for a journal article using a reference

Journal finder list
Use this when you have a complete reference or journal title

• Login to Portal
• Click **Subject Guides** under **Key Services**
• Go to the **Pharmacy** guide
• Click on the **Journals and Articles** tab

[Click to view a video of this step]
Searching for a journal or specific article

• Enter the **journal title** in the search box
• The Results page displays details of the Library holdings
• Click a provider link to access the journal homepage
• Navigate to the **volume** and **issue** you require

[Click to view a video of this step]
USearch
MPharm Dissertation preparation

ulster.ac.uk
Define your topic

What are the key concepts?

Assess the efficacy of afatinib as a treatment for lung cancer
Are there alternative ways to describe your keywords?

Afatinib
Gilotrif®
Giotrif®
Cytotoxic drug(s)
Protein kinase inhibitor(s)

Lung cancer
cancerous growth
cancer of the lung(s)
carcinoma(s)
tumor(s)
tumour(s)
malignancy
Analyse your statement

Remember Americanisms
Spelling variations and terminology

• Tumor or tumour

• Behavior or behavior

• Physical therapy or physiotherapy

• Psychobiology or biopsychology
Combining search concepts

Using AND and OR

Use OR to search for alternative ways to describe your search concept:

  e.g.  tumour OR carcinoma

This will INCREASE the number of results found
Combining search concepts
Using AND and OR

Use **AND** to combine all of your search concepts in your results:
e.g. *afatinib AND carcinoma*

This will **DECREASE** the number of results found
Search terms explained

Truncation and phrase searching

Use an **asterisk** * to find different endings for a word root
e.g. * will find all the variants of vitamin from the stem

*Cancer* will find cancer, cancers, cancerous, cancer-associated,
cancer-related, cancer-mutation, cancer-adjacent etc.

Use **double quotation marks** “ ” to find results where your terms
appear together

e.g. “cancer of the lungs”
Brackets
Parenthesis

Use parenthesis ( ) to define the relationship between two terms.
You can use brackets in your searches to include a number of similar terms in the same search.

For example typing

Lung* and (cancer* or carcinoma*) in the Library Search box will result in the terms in brackets, in this case cancer or carcinoma, being searched for first. Those results are then checked to see if they contain the word lung.
It will return results containing lung plus either cancer or carcinoma:

- lung cancer
- cancer of the lungs
- lung squamous cell carcinoma
- carcinoma and lung cancer
- cancer in the chest and lung
Access USearch from the Portal

• Login to Portal
• Click **Subject Guides** under Key Services
• Go to the **Pharmacy** guide
• Click on the **Databases** tab

[Click to view a video of this step]
**USearch**

Some tips

**USearch** searches and links to Library e-resources

Good starting point to find out what is available on a subject

Not all full text – look for a Full Text link or **U Find it**

For complex searches you must still use individual databases

Not everything the Library holds is covered
Add your search concepts
Use Advanced Search

Afatinib or giotrif or “protein kinase inhibitor”

AND

Lung* and (cancer* or carcinoma*)

Click Search

Click to view a video of this step
Refine your results
Use the Refine panel to get the most relevant results

You could try…
• Limiting to Full Text
• Specifying a date range
• Academic journals
• Review articles
• English language
1. Role of afatinib in the treatment of advanced lung squamous cell carcinoma

Language: English, Database: Directory of Open Access Journals

[Find it] View record in DOAJ
Role of *afatinib* in the treatment of advanced lung squamous cell carcinoma

**Authors:** Vavalà T


**Publisher:** Dove Medical Press, 2017.

**Publication Year:** 2017

**Collection:** LCC: Therapeutics, Pharmacology

**Subject Terms:**
- lung cancer
- NSCLC
- squamous cell lung carcinoma
- afatinib
- EGFR
- TKI
- Therapeutics, Pharmacology
- RM1-950

**Abstract:**
Tiziana Vavalà ASL CN1, SC Oncologia, Ospedale Civile di Saluzzo, Saluzzo, Cuneo, Italy. Abstract: Lung cancer treatment has considerably changed over the last few years: the identification of druggable oncogenic alterations and innovative immunotherapeutic approaches granted lung cancer patients the possibility of more efficient and less toxic therapeutic options than chemotherapy. Nowadays, lung squamous cell carcinomas (SqCCs) patients have the chance to benefit from novel treatment alternatives, including immune checkpoint blockade and chemotherapeutic agents and, given positive trial results, from afatinib, a second generation tyrosine kinase inhibitor (TKI) targeting the EGFR family of kinases.
Article full-text
Ensure pop-ups are enabled on your device

• Click **U Find it** to check the Library’s e-journal holdings for a subscription
• If we have a subscription, the full-text will load in a separate window

If you encounter problems at this step, please contact your librarian:
science@library.ulster.ac.uk
Article full-text
Verifying your institutional permissions

Search for *Ulster* in the organisation field to authenticate…

![Sign in with an OpenAthens account](image)

Find your organisation.

Search

ULSTER

1 organisation found

University of Ulster
Article full-text

Logging in to subscribed content

... then enter your Ulster email address and Network Password on this screen.

Please use your Ulster email address and network password, e.g. bloggs@ulster.ac.uk and your Portal/IT workstation password.

j.bloggs@ulster.ac.uk

your Portal/IT workstation password.

Sign in

Click to view a video of this step
Keep a record of appropriate articles

Export references to RefWorks for use in your assignments

- Open RefWorks from the A-Z Databases list
- Select the references you wish to keep using the folder icon
- Go to My Folder
- Select all and click the Export icon
- Select RefWorks and click Save
- Select Legacy Refworks
- Always save your references to a folder

Click to view a video of this step
Embase
MPharm dissertation prep
ulster.ac.uk
Define your topic
What are the key concepts?

Assess the efficacy of afatinib as a treatment for lung cancer
Are there alternative ways to describe your keywords?

Afatinib
Gilotrif®
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Cytotoxic drug(s)
Protein kinase inhibitor(s)

Lung cancer
cancerous growth
cancer of the lung(s)
carcinoma(s)
tumor(s)
tumour(s)
malignancy
Access Embase from the Portal

- Login to Portal
- Click **Subject Guides** under Key Services
- Go to the **Pharmacy** guide
- Click on the **Databases** tab
- **Embase** is a highly recommended database for Pharmacy
**Embase**

Some tips

The EMBASE database is a member of the EMBASE family that consists of four separate databases: the Excerpta Medica Database (EMBASE), EMBASE Drugs and Pharmacology (EMDP), and EMBASE Psychiatry (EMPS).

****To get the best usage from the database set up a personal account to save articles and searches
Embase

Some tips

**COVERAGE** Embase (1974 – present) – main biomedical and pharmaceutical science database holding 30 million individual references. Content coverage includes; biotechnology and biomedical engineering, drug therapy and research, medicine, nursing, public health and veterinary medicine.

Not all articles are available in full-text – look for the **U Find it** button to check Ulster holdings
Add your search concepts

Use advance search

• Ensure the box ‘Map to Subject Heading’ is **unticked**
• Add your first search and it’s associated terminology and click search
• We use a scaffold approach to doing the search, building up one concept at a time
• Look at **Search History** to see the scaffold build up
Search History

Scaffold Search

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<th>Actions</th>
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Combine your searches with AND

- Search for each concept individually
- Tick each line that we want to merge into our search
- Combine all searches with an AND
Filter your results

- Filter results as before:
  - by date, publication type etc.

Click to view a video of this step
Embase can also be searched using Subject Headings.

- Subject Headings are the database’s preferred terms for your concepts.
- For total coverage use both keyword search and Subject Headings search.
- Ensure the ‘Map to Subject Heading ‘box is ticked.
- Search for one concept using your term.
- The database will direct you to their preferred term.
- For example their preferred term for Giotrif is Afatinib.
- Check the scope note to ensure that their term includes your concept.
- If it does tick the Select box and continue, including all subheadings.
Export to RefWorks

Select the articles required by ticking and select Export from the tools on the top right hand side.
Export Manager

At the Export Manager, change the **Format** to RefWorks and export.
4. Restoration of antioxidant enzymes in the therapeutic use of selenium in septic patients.

Janka V; Ladislav K; Jozef F; Ladislav V.

[Journal Article. Observational Study. Research Support, Non-U.S. Gov't]

UI: 23644928

Authors Full Name
Janka, Vaskova; Ladislav, Kocan; Jozef, Firment; Ladislav, Vasko.

- View Abstract
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<td>Janka, Vaskova; Ladislav, Kocan; Jozef, Firment; Ladislav, Vasko.</td>
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<tr>
<td>Institution</td>
<td>Janka, Vaskova. Institute of Medical and Clinical Biochemistry, Faculty of Medicine, Pavol Jozef Safarik University in Kosice, Kosice, Slovak Republic.</td>
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<td>Restoration of antioxidant enzymes in the therapeutic use of selenium in septic patients.</td>
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Abstract

A prospective observational study of parents of neonates and the first 72 hours of life which included 72 septic patients with APACHE II scores of 15 or more. Patients were divided into two major groups: one with an antibiotic regimen starting at the time of surgical procedure and the other group divided into two subgroups: one with a higher Acute Physiology and Chronic Health Evaluation (APACHE) score and the other with a lower APACHE score. The study showed a significant difference in the comparison of APACHE scores on the 6th day of therapy and higher C-reactive protein (CRP) on the 6th day of therapy. There was a significant difference in the comparison of leukocytes on the 6th day of therapy. Glutathione peroxidase and glutathione reductase activity was increased in selenium subgroups with negative correlation in placebo subgroups during the therapy. A downward trend in SOD activity, more appreciable in selenium groups, seemed to be a reflection of lower superoxide radical production. This is biased more as a result of GPx activity restoration, preventing further peroxidation of organic substrates and cyclic formation of other radicals, than actual attenuation of their production. Selenium substitution increased selenium dependent antioxidant enzyme activity and, in comparing mortality in groups, we found a 16.7% decrease in mortality in favor of supplementation with selenium.

Registry Number/Name of Substance

0 (Antioxidants). EC 1 (Oxidoreductases). H6241UJ22B (Selenium).

ISSN Electronic

1613-7671

ISSN Linking

0043-5325

Digital Object Identifier

http://dx.doi.org/10.1007/s00508...

Publication Type

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Joan
jce.atkinson@ulster.ac.uk

Cheree
c.mcgill@ulster.ac.uk

Gerry
g.delaney@ulster.ac.uk

science@library.ulster.ac.uk