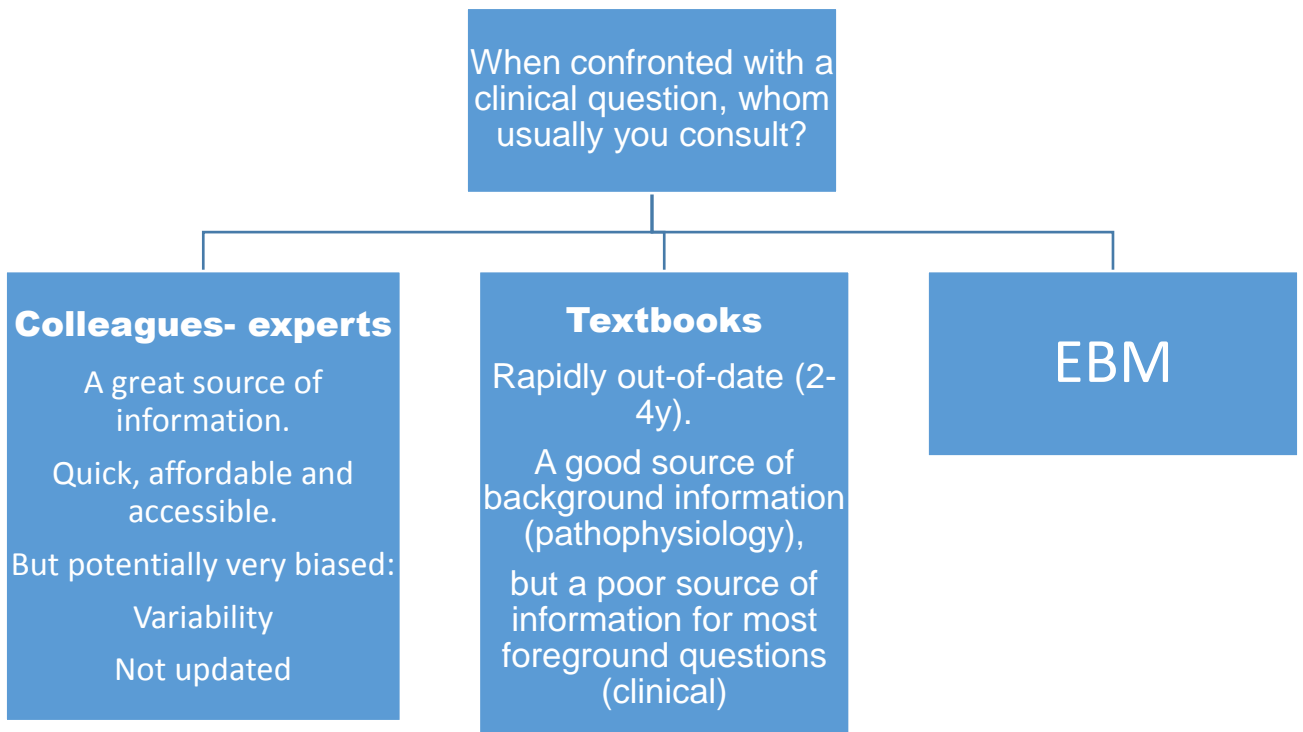
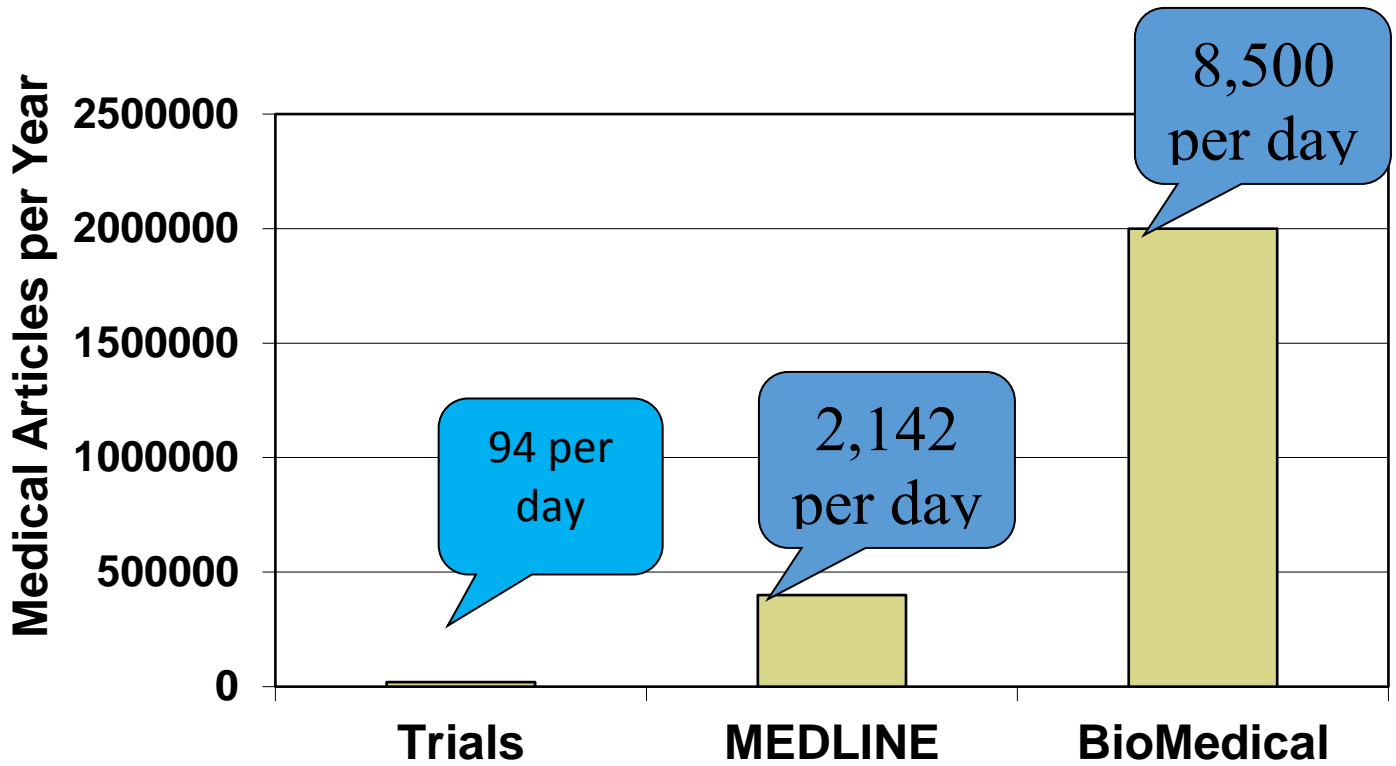


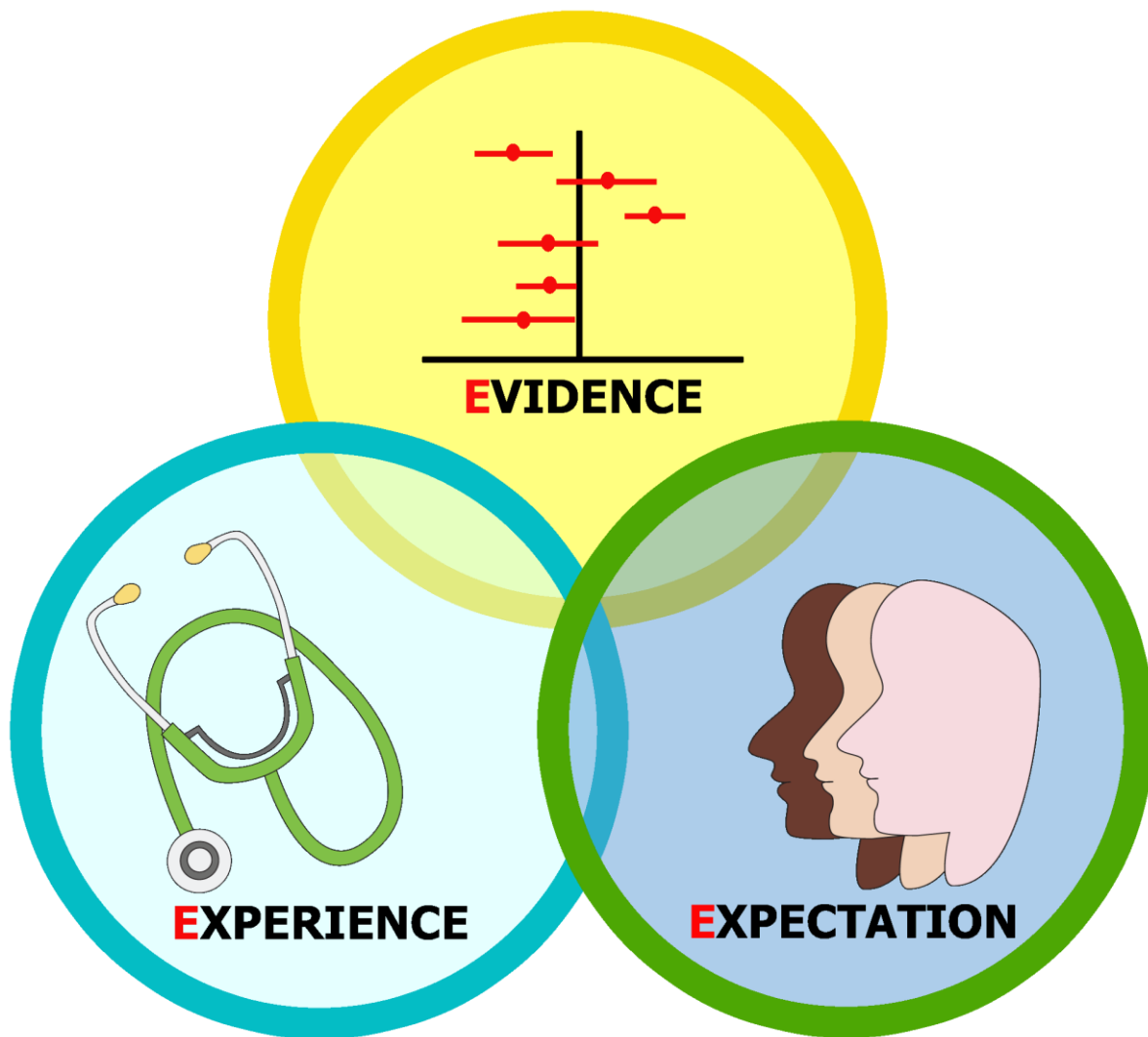
EBM



What is EBM?

The integration of the current best evidence (from research) with our clinical expertise and patient's values.

Three (*Es*)- EBM Components



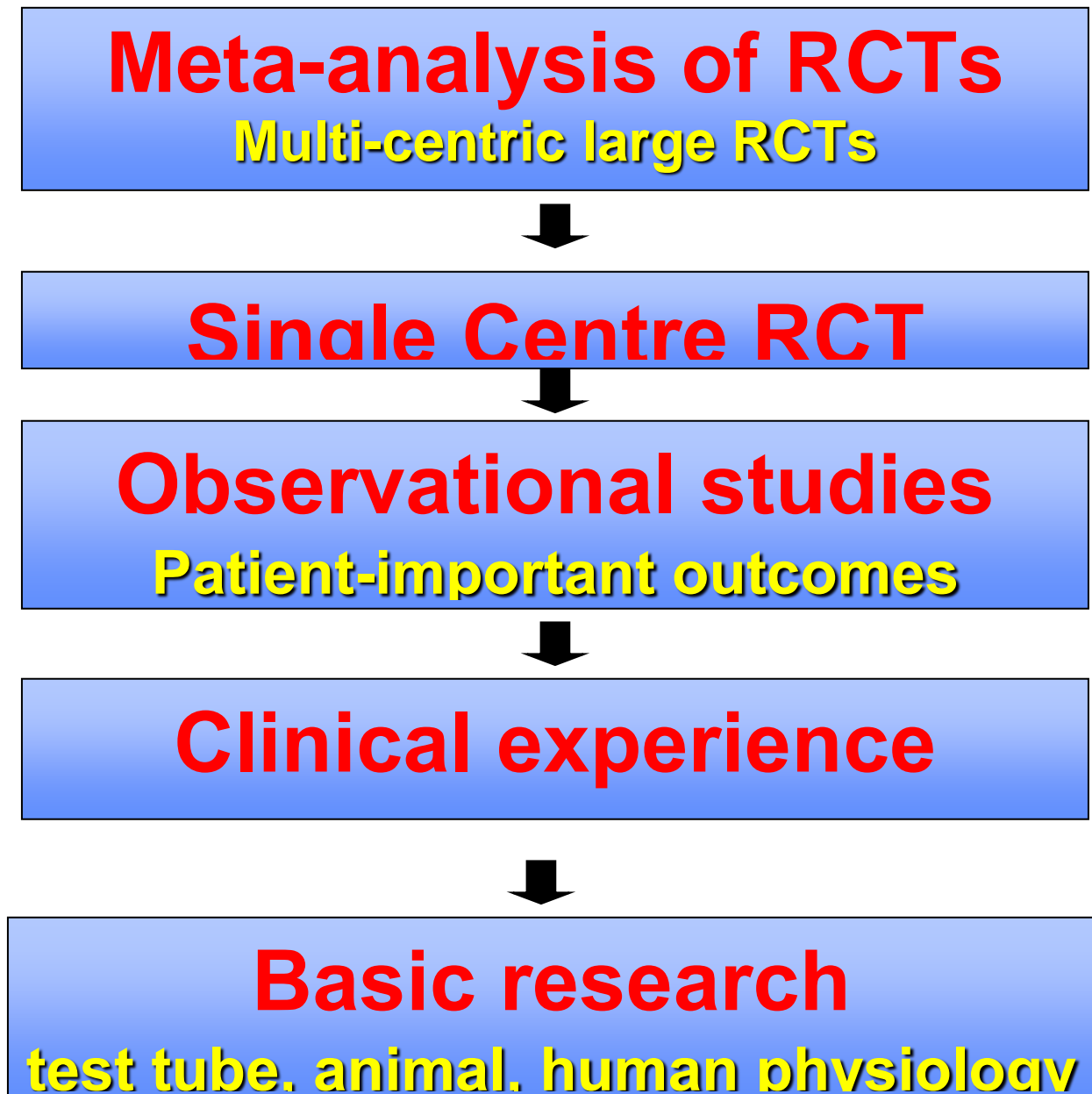
Expectation means patient's values

Rules of Evidence:

1-Not created equally.

2-is not sufficient (alone) to make clinical decision.

Hierarchy of Evidence



What are the Six **As to practice EBM?**

- 1-Assess your patient (Hx,PEX,INVESTIGTE).
- 2-Ask clinical questions (PICO approach).
- 3-Acquire the Evidence(s).
- 4-Appraise the evidence(s) -→is not required in our curriculum
- 5-Apply The best evidence to patient.
- 6-Assess Yourself.

What are the Types of clinical questions?

- 1-Therapeutic : try to provide benefit more than the harm.
- 2-Diagnostic : try to choose the most appropriate Test in order to confirm the Dx and treat him accordingly.
- 3-Prognostic : how to estimate the patient's likely clinical course over time.

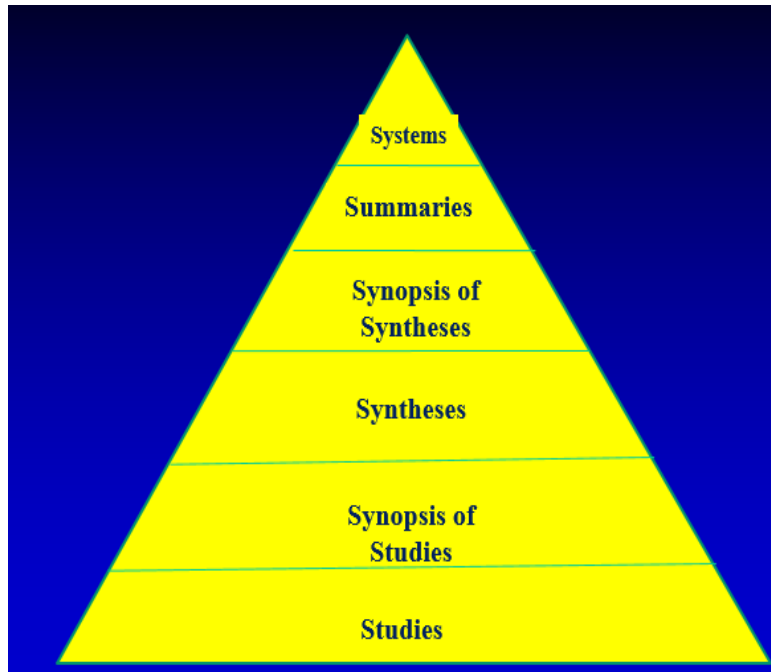
Acquire the Best Evidence from where ???! 🤔

Prefiltered Sources:

- 1-UpToDate
- 2-Clinical Evidence
- 3-Dynamed
- 4-Physicians Information and Education Resource (PIER)
- 5-Clinical Practice Guidelines
- 6-Cochrane Library
- 7-Ovid
- 8-MD Consult
- 9-Medscape

Unfiltered Sources

- MEDLINE
(www.pubmed.gov)
- Google scholar
(www.google.com)



1-summary:

1-Clinical Evidence www.clinicalevidence.com

2-Dynamed

3-Physicians Information and Education Resource (PIER)
pier.acponline.org

4-UpToDate www.uptodate.com

5-Clinical Practice Guidelines

6-National Guidelines Clearinghouse www.guideline.gov

2-Synopses of Syntheses:

1-ACP Journal Club www.acpjc.org

2-The database of abstracts of reviews of effects (DARE)
www.crd.york.ac.uk

3-Evidence Based Medicine ebm.bmj.com

4-Evidence Based mental health ebmh.bmj.com

3-Syntheses:

1-ACPJC plus (plus.mcmaster.ca/acpjc)

2-The Cochrane Library www.thecochranelibrary.com

5-Synopsis of Studies:

1-Evidence-Based Abstraction Journals

2-EvidenceAlerts

6- Studies:

1-www.pubmed.gov

2-Clinical queries

3-Mesh search

4-Special queries: for health services and qualitative
research www.nlm.nih.gov/bsd/special_queries.html

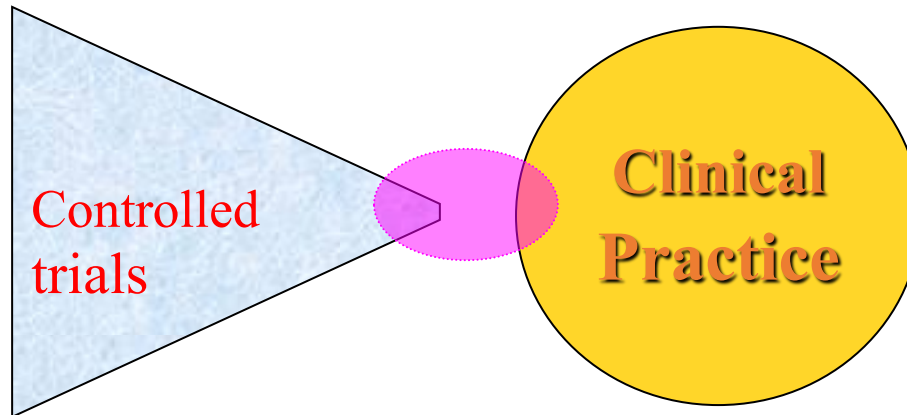
Federated Search Engines :

1- TRIP Turning Research Into Practice

www.tripdatabase.com

2-SUMSearch sumsearch.uthsca.edu

The “Evidence Transfer Gap”



The Challenge – Bridging the gap!

- New EBM teaching models
- Deals with barriers.
- EBM Environment.

How can you appraise the Evidence?

You need to check four things :

1-Relavence

It focuses on medical problems common to our practice.
patient-oriented evidence

2-Validity:

Correctness (likely to be true) in RCT:

1-Randomization

2-Blindness

3-Drop-out

4-ITT (intension to treat concept)

3-Results :

Clinically important
assessed by its:

1. Magnitude
2. Precision

4-Applicability:

Three arms for the applicability criteria to be looked at (IPP)

- Intervention
- Patient population
- Patient preferences.

Still you have to see the lecture for more better understanding (there are illustrated examples)

Thank you

Done by : Mohammad AL-Qhatani