





Clinical Informationist

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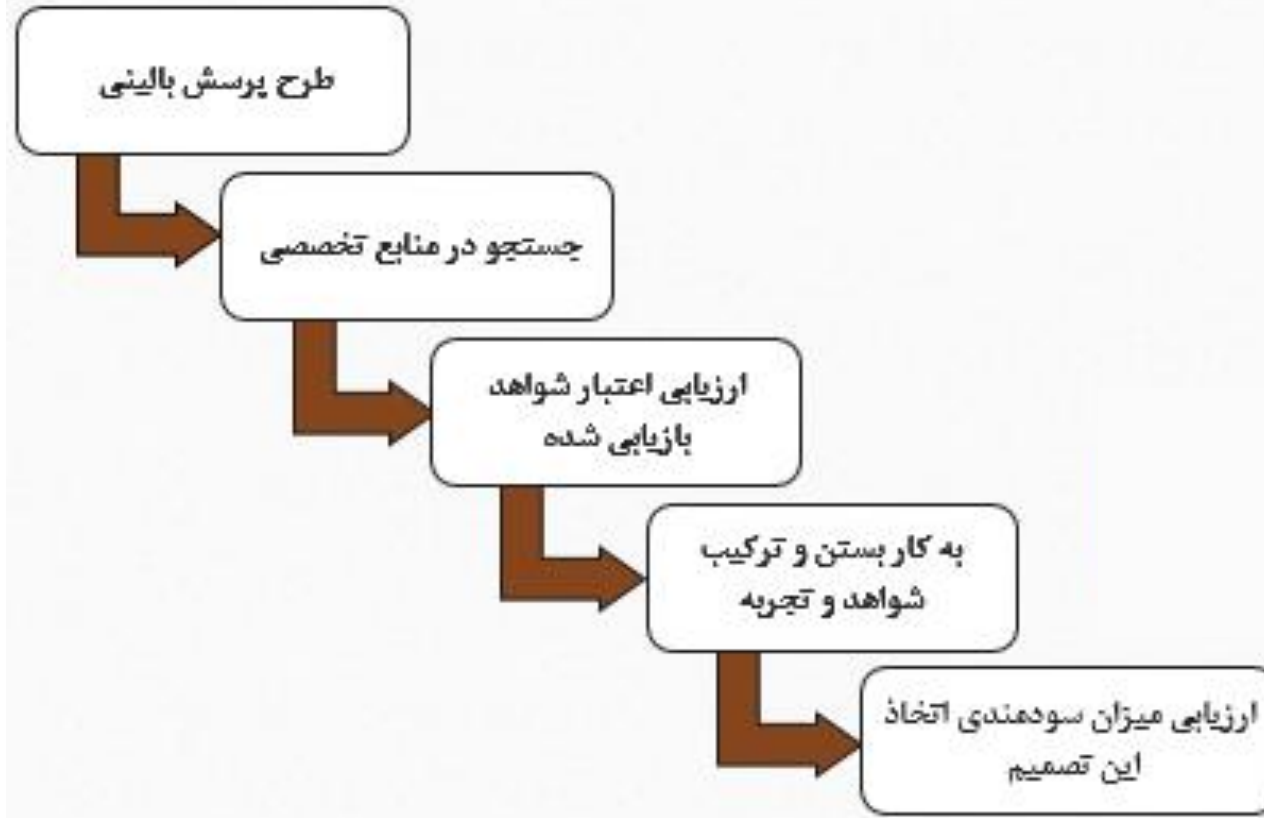
EBM



EBM: Evidence-Based Medicine

استفاده درست، صریح و خردمندانه از بهترین شواهد موجود در تصمیم گیری بالینی برای
مراقبت از بیماران □

مراحل پزشکی مبتنی بر شواهد



سطوح شواهد



Clinical Informationist

- ❑ Medical librarian as a new member of clinical team



Problem ?



Solution

- ❑ A Clinical Informationist can bridge the gap between clinical team members and clinical information.

The process of involving CI in clinical setting

medical librarian

- Clinical Librarian
- Hospital librarian
- Clinical informationist
- Information Specialist
- Health science librarian
- Embedded Librarian
- Liaison Librarian

join the patient care team

- Grand round
- Ward round
- Morning report
- Journal club

CI roles

- Taking search request
- Perceive information needs
- Searching in databases
- Contributing to guidelines, case reports
- Other study types
- Teaching databases

**My experience in Alzahra grand round
(GI department)**

Action research steps

Step 1: Identify the problem

Step 2: Plan for action

Step 3: Action

Step 4: Evaluation

Step 5: Identify learning and plan for the future

Concepts

- Grand round**
- Clinical question**
- Concept map**

Grand round

A formal meeting in which physicians discuss rare and complex cases.

- **to enhance clinical reasoning skills**
- **an integral component of medical education**

Clinical question types

➤ **Background questions:**

➤ *Example:* Causes of GI bleeding/ Clinical manifestations of cirrhosis

➤ **Foreground questions: PICO**

➤ *Example:*

➤ In newborn babies, does a waterbirth (compared with being born 'on dry land'), increase the risk of morbidity or mortality?

Clinical question types

➤ *PICO example:*

P

I

➤ In newborn babies, does a waterbirth (compared with being born 'on dry land'), increase the risk of morbidity or mortality?

C

O

Clinical question types

➤ *PICO example 2:*

Can brief intervention be used as an effective smoking cessation technique with teenagers?

Clinical question types

➤ *PICO example 2:*

I

O

Can brief intervention be used as an effective smoking cessation
technique with teenagers?

P

C = None

ویژگی های پایگاه های اطلاعاتی

۱. پایگاه های دارای قابلیت PICO search ← Embase, Trip, Cochrane
۲. پایگاه های دارای قابلیت جستجوی مولتی مدیا ← Clinical Key, Ovid
۳. پایگاه های دارای منابع آموزش به بیمار ← Up To Date, Clinical Key
۴. پایگاه های مناسب برای جستجوی سؤالات *background* ← Up To Date, DynaMed
۵. پایگاه های دارای *medical calculator* ← Up To Date, Clinical Key
۶. پایگاه های مناسب برای جستجوی CPG ← PubMed, Clinical Key
۷. بهترین پایگاه اطلاعاتی برای یافتن مقالات *Systematic review* ← Cochrane
۸. پایگاهی برای جستجوی الگوریتم ها ← Up To Date

نمونه سؤالات بالینی جهت جستجو در پایگاه های اطلاعاتی

۱. روش های انتقال HPV

۲. Calciphylaxis photo

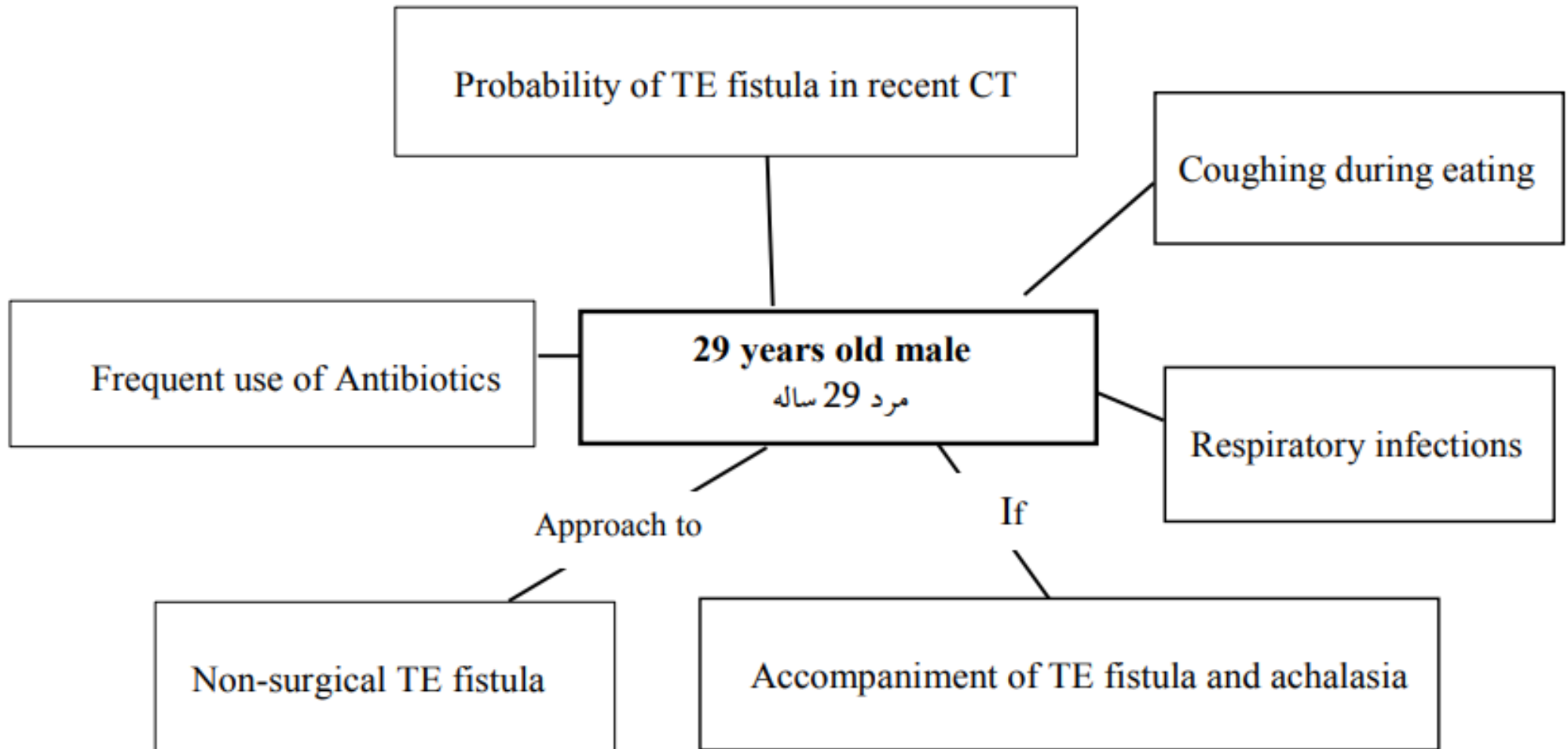
۳. AIH algorithm

۴. Endoscopy procedure

Concept map

- **A Conceptual diagram that depicts suggested relationships between concepts.**

آقای ۲۹ ساله مبتلا به عفونت تنفسی و سرفه هنگام غذا خوردن است که به طور مکرر از آنتی بیوتیک استفاده می کرده و در نمونه عکسبرداری وی احتمال فیستول ناحیه مری تشخیص داده شده است. سؤال این است که آیا امکان همراهی فیستول مری و آشالازی به صورت همزمان وجود دارد و اینکه رویکرد غیر جراحی به آن شامل چه مواردی است؟



Concept map benefits

- Research**
- Education**
- Diagnosis and treatment (Improve clinical learning & clinical reasoning)**

“ For Librarians ”

In the beginning of Involving in clinical setting

An environment with many of specialists (attending physicians and fellowship students)

- What is grand round?
- Who is an attending physician?
- Who is a fellowship student?
- Familiarity with the environment (medical team members, different rounds,

At the beginning of Involving in clinical setting

Different people with variety of behaviors

- ✓ knowing how to communicate with each of them according to their personality

During grand round sessions

Many medical terms and acronyms

- ✓ Advanced English language
- ✓ Reviewing common terminology of each field
- ✓ Asking medical team members
- ✓ Searching information after encountering

In general :



English and Medical language is the most essential requirement for a CI

During grand round sessions

The name of different disease

- ✓ Basic medical knowledge

During/ after grand round sessions

Searching in medical databases and other resources

- ✓ knowing medical databases
- ✓ different types of clinical questions
- ✓ advanced search

During/ after grand round sessions

Sending the search result

- ✓ Summarizing skill

Track the search result

- ✓ Different ways according to personality of each medical member
- ✓ Revise the results (if needed)

Output

Case report article

- ✓ Different parts of a case report article
- ✓ Different ways to publish a case

General required skills

- Technology and computer skills
- Teaching ability
- Academic writing
- reference management software
- Finding proper Journal
- Hijack journals
- Checking for plagiarism

References:

- ❑ Zare- Farashbandi F, Adibi P, Rahimi A, Zare- Farashbandi E. Involving Medical Librarian as Clinical Information Assistant in Grand Round of Alzahra Hospital's Gastroenterology Department of Isfahan: An Action Research Study [thesis]. Isfahan: Isfahan university of medical sciences, 1397.
- ❑ <http://jams.arakmu.ac.ir/files/site1/images/%D8%AA1.jpg>
- ❑ [Demo3.yabesh.ir](http://demo3.yabesh.ir)
- ❑ <https://www.ciap.health.nsw.gov.au/training/ebp-learning-modules/module2/clinical-examples-using-pico.html>