





# Clinical Informationist

**Presenter:** Elahe Zare-Farashbandi

**Alzahra hospital**

*Mordad 1401*

# **Table of content**

---

**The concept of clinical informationist (CI)**

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

**General required skills for a CI**

# EBM

---

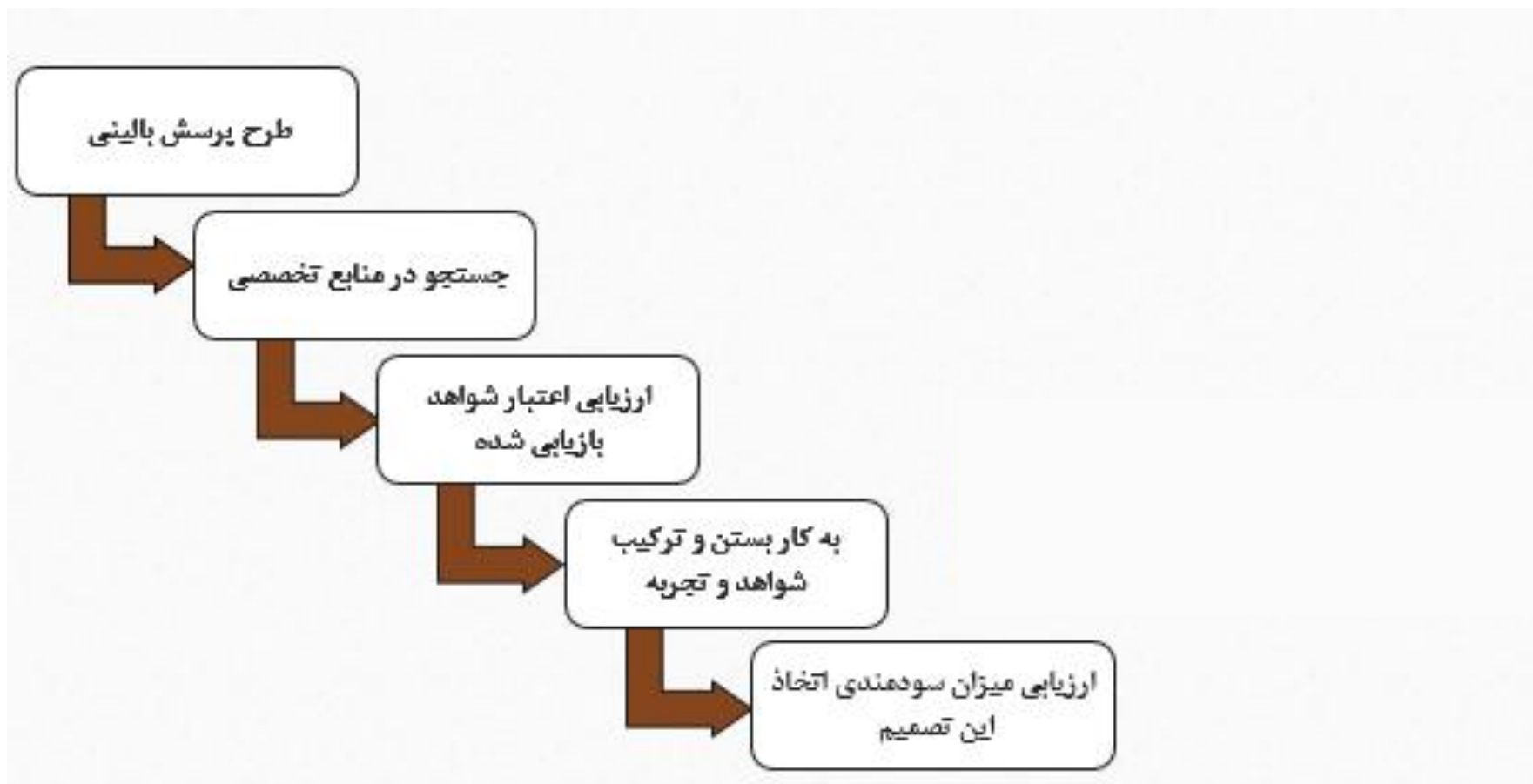


# EBM: Evidence-Based Medicine

---

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

1. پایگاه های دارای قابلیت ~~PICO search~~  
Embbase, Trip, Cochrane  
←
2. پایگاه های دارای قابلیت جستجوی مولتی مدیا  
Clinical Key, Ovid  
←
3. پایگاه های دارای منابع آموزش به بیمار  
Up To Date, Clinical Key  
←
4. پایگاه های مناسب برای جستجوی سوالات *background*  
Up To Date, DynaMed  
←
5. پایگاه های دارای *medical calculator*  
Up To Date, Clinical Key  
←

# نمونه سؤالات هائی که اطلاعاتی جستجو در

---

1. روش های انتقال HPV

2. Calciphylaxis photo

3. AIH algorithm

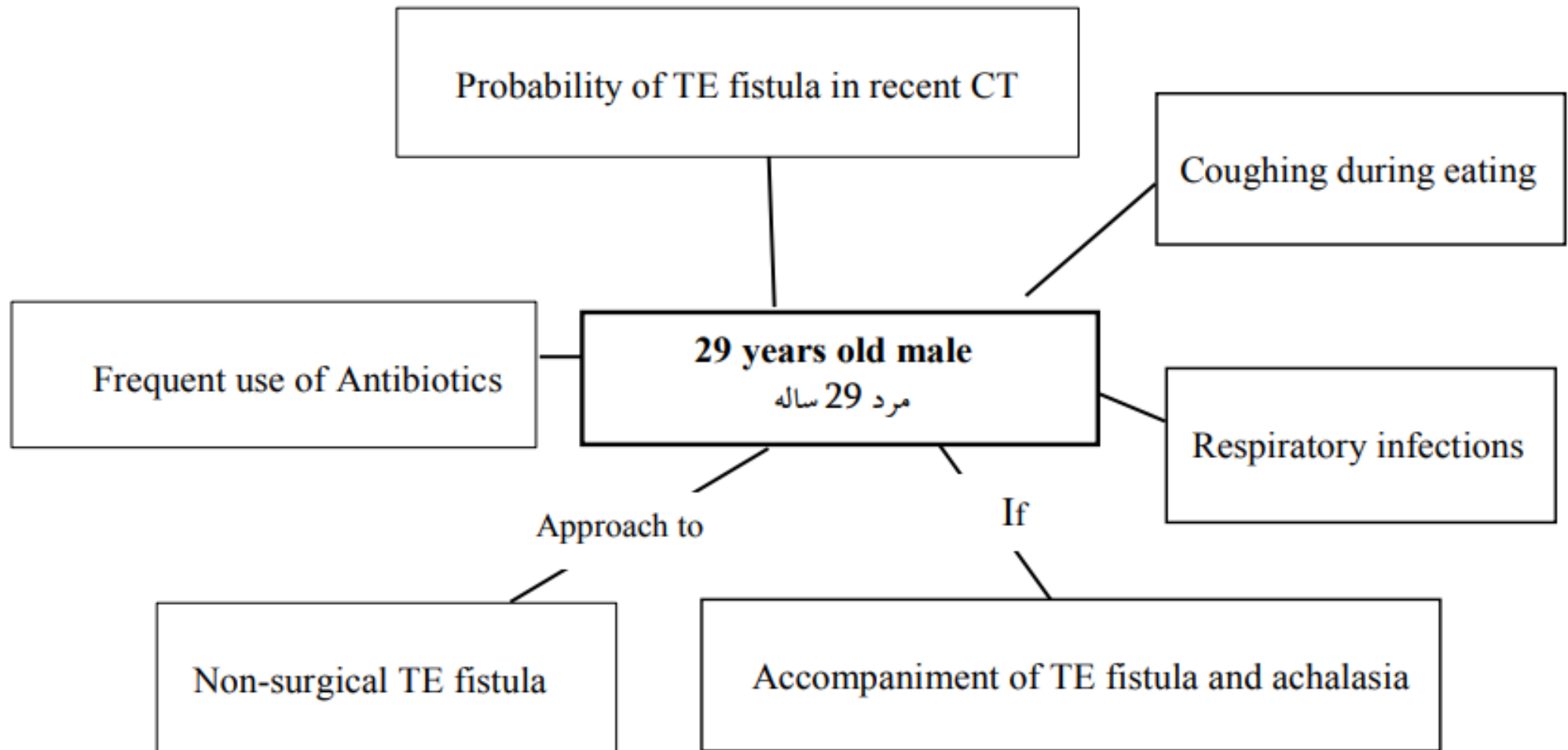
4. Endoscopy procedure

# 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>