

#### Sore throat PART 2 Giuseppe Parisi

- The clinical task
- The clinical reasoning in the frame of the consultation

NCAL CLINIC

800 555-1234

DO

A message from the CDC: www.cdc.gov/getsmart/

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tain Street, Suite 100

DOCTOR'S MEL

Jane Q. Doctor, MD

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- Actions and instruments
- Strategies
- Treatment

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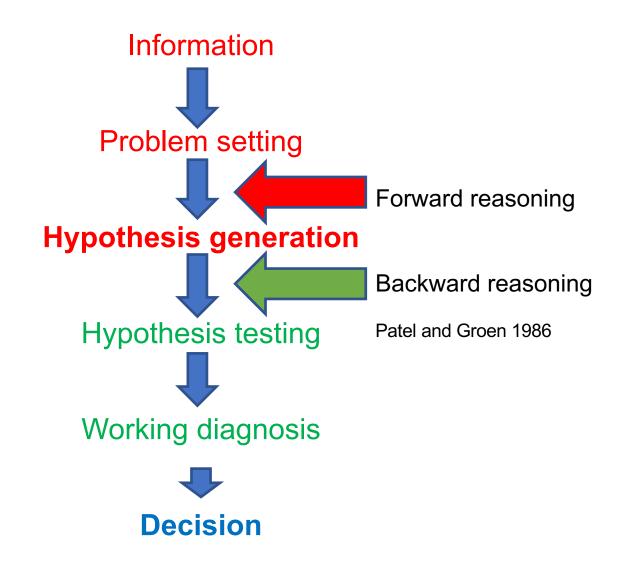
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ELEMENT	MANAGEMENT TASK	CLINICAL TASK	COMMUNICATION TASK	PATIENT AS
Opening	Build the setting	Catch the early warnings	Make the patient at ease	Person
Subjectivity	Management of presenting problems	Early generation of hypothesis	Collect information by allowing patient expression	Individual
Examination	Management of the present problems not presented by the patient.	Reach working diagnosis	Actively collect information	Matter of research
Evaluation	Redefine the situation	Overall clinical judgement	Information	Partner
Design	Map out a plan		Communicate patient's options	Consultant
Shared choice	Doctor/patient choose an option		Share choice	Partner
End	Schedule the next consultation date Inform the patient about the safety net		Greetings	Person
2021		ool of Medicine and turer: Parisi- URTI		II

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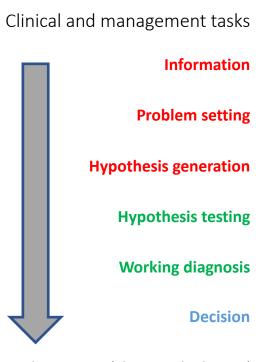
Surgery- Lecturer: Parisi- URTI

#### CLINICAL REASONING FLOW CHART



Elstein AS, Schwarz A (2002) Clinical problem solving and diagnostic decision making: selective review of the cognitive literature. Bmj 324:729-732

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Clinical reasoning (Elstein and Schwartz)

### subjectivity

Weed: "symptom or condition perceived by the patient and not by the examiner" (arch intern med vol 152 march 1992: 481).

Collect information by allowing patient expression

Manage presenting problems

Generate early hypothesis

Information

Problem setting

**Hypothesis generation** 

Hypothesis testing

Working diagnosis

Decision

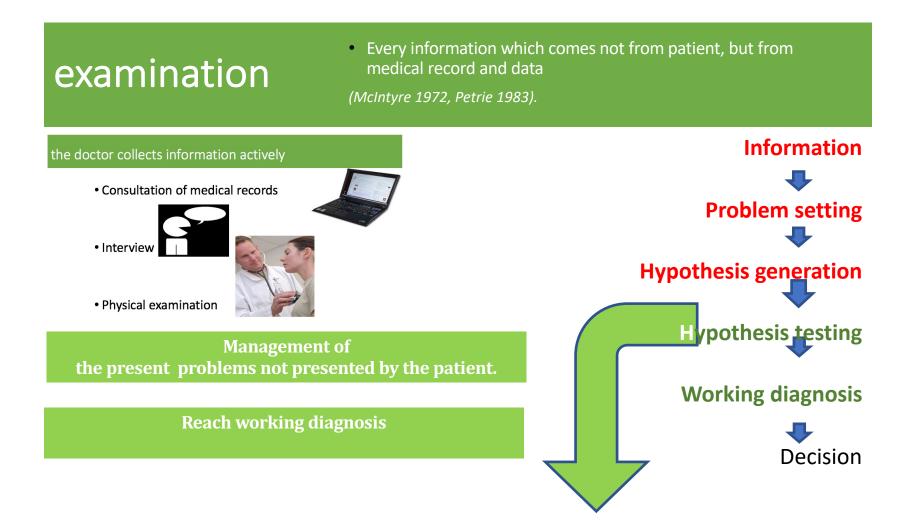
March 15 2019

Parisi-School of Medicine and Surgery- GP Consultation

# Generate hypothesis

BINARY CATEGORIZATION OF HYPOTHESIS

Acute onset Emergency Psychological /Functional Local Chronic onset Not emergency Somatic / Tissues damage Systemic



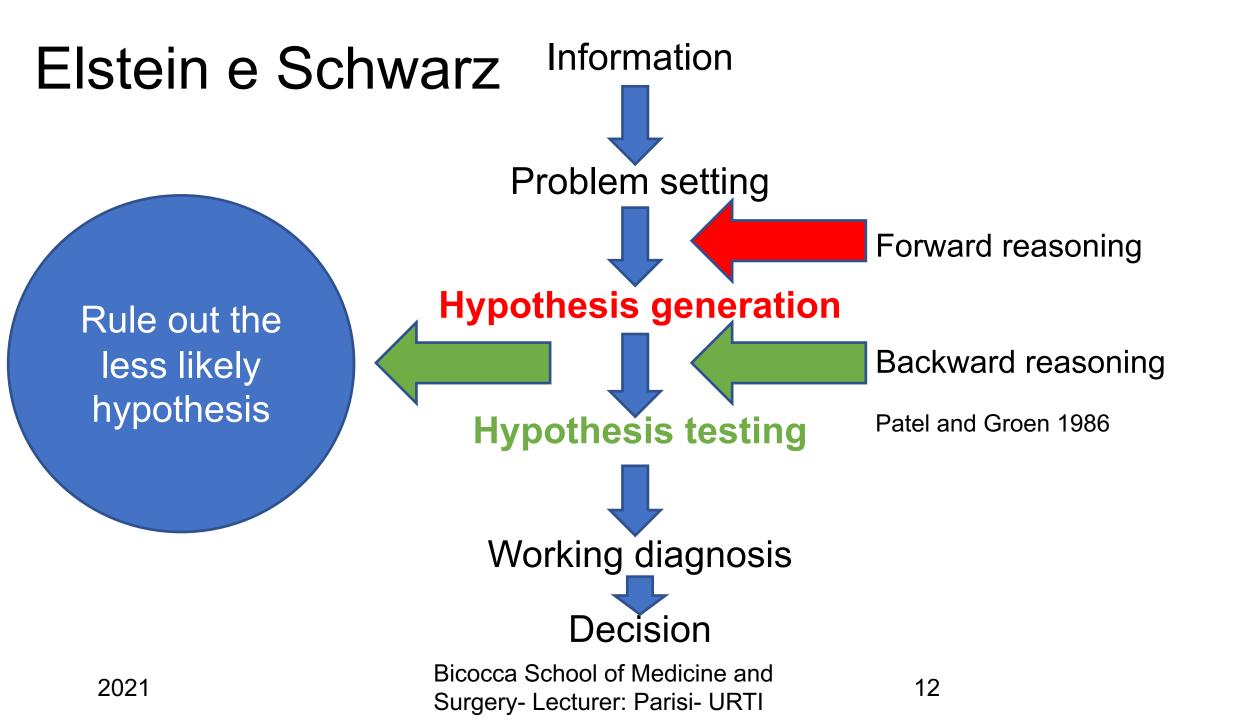
#### hypothesis selection/testing

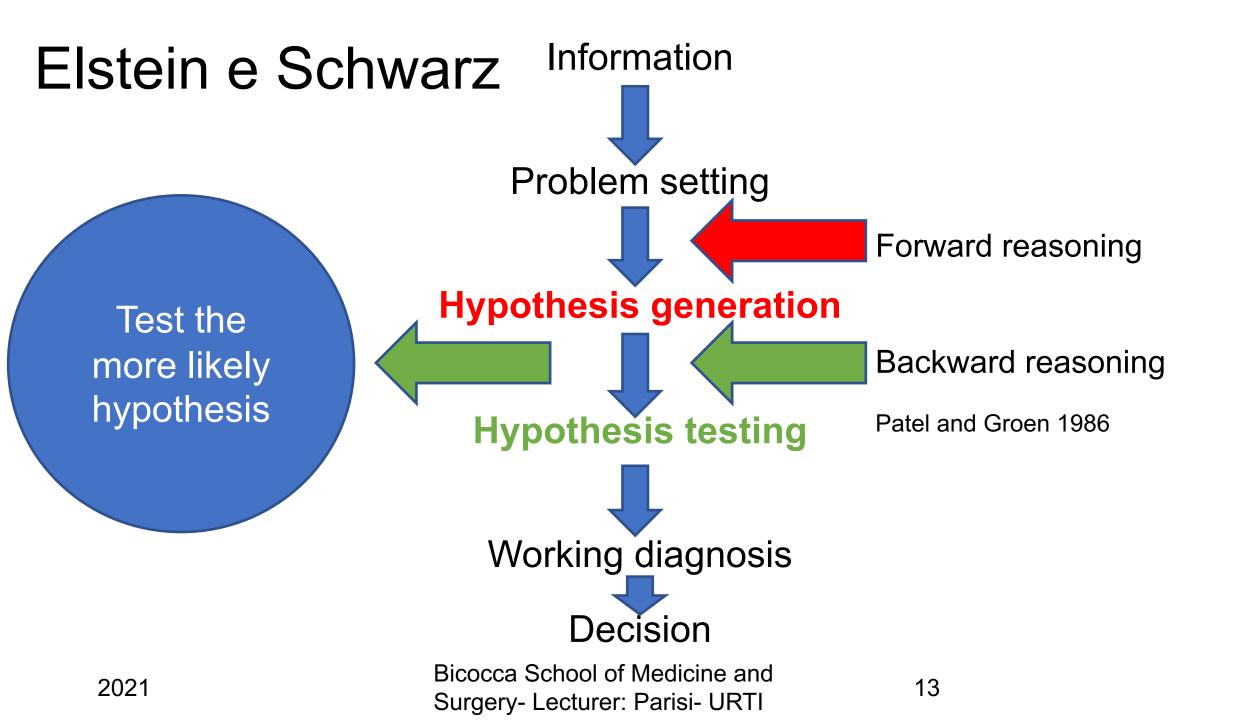
- FIRST ROUND (during the consultation)
  - Verbal examination
  - Clinical tests = physical examination
- SECOND ROUND (prescribed)
  - Lab tests
  - Imaging test
- TEST OF TIME

# Criteria to select hypothesis

- Epidemiological
  - What is more likely to occur?
- Physiopathological
  - Local or referral visceral cause
- Plausable and life threatening
  - "When you hear hoofbeats, don't think zebras!"
  - «Rare causes are rare, but occur»







#### Physical examination as...

- Clinical test to rule in or rule out a hypothesis.
- Recognition of systems to generate additional hypothesis.
- Encounter patient's needs to be examined.
- Encounter patient's needs to be reassured by close skin touch of the doctor.
- Makes the patient experience the symptom or the pain elicited by the manoeuvres of the doctor in a safe environment.



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When the doctor has a well defined hypothesis

When symptoms are not focused and the hypotheses generated are weak



Inform patients if in your opinion they don't need the physical examination

Direct reassurance of the patient through an action, without symbolic media (words), eliciting a deep emotional answer



Useful with psychosomatic patients, to reframe the cause of pain

#### Physical examination as...

### A procedure

### A test

### Side effects/risks

### Indication

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# MODIFIED CENTOR CRITERIA

Clinical finding	Points	
Absence of cough	1	
Age		
3 to 14 years	1	
15 to 45 years	0	
Older than 45 years	-1	
Anterior cervical lymphadenopathy	1	
Fever	1	
Tonsillar erythema or exudates	1	

SCORE 0-1: VIRAL

**SCORE 2-3: VIRAL OR BACTERIAL** 

**SCORE 4-5: BACTERIAL** 

### Use of centor's criteria

90% adults and 70% children with pharyngitis have viral infection

- 0 or 1: no test no treatment
- 1 if contact with a person with documented streptococcical infection: rapid test
- 2 or 3: rapid test
- 4 or 5: treatment