Component 2	2/Unit 4a/Lecture 2			
Step One: Gathering Data		_		
	Jana Jana	_		
		_		
		_		
		_		
My ankle	es are swollen	]		
The clinic assistant says "b brings in a man whose sho bulging over the top. He lo	-			
says he's a little short of bro but his lungs sound clear, a	eath after walking in from the parking lot, and he's only breathing 12 times a minute. "Used to - I quit three years ago." He	-		
says he's been gaining wei You check his heart, which	ght lately, and his clothes are fitting tight. has an S4 gallop, but no murmur. You his shoes, later his pants felt too tight.	-		
You check his abdomen, we enlarged organs. Then he	hich shows no tenderness, masses, or recalls he was on medication for blood but stopped taking it 'cause he felt	-		
'slowed down'. You check his pulse, it's 120, and notice 2+ pitting to mid shin. "Ever been sick before?" you ask. No, never in all my 39 years, except once when I got a rash from aspirin." "Oh yeah, and		-		
to have my tonsils out."	IT Workforce Curriculum 2	-		
		7		
Clinical Pro	ocess: The Myth	-		
History	The "Complete" History and	-		
Physical	Physical -Discrete	-		
↓ IIy3idai	–Linear –Orderly	-		 

Assessment

Plan

Component 2/Unit 4a2

-Structured

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# Clinical Process: The Reality Symptoms Symptoms and signs & Signs gathered constantly · Iterative hypothesis New New testing, data gathering hypotheses information · Narrowing cognitive Working space of possibilities Diagnosis Ends when sufficiently certain for action • Elstein, 1978 Plan • Gorman 1998 Health IT Workforce Curriculum Version 1.0/Fall 2010 Component 2/Unit 4a2 "Disease hides its secrets in a casual parenthesis" · Getting the story Open ended questions • Enabling the person to tell their story Including/excluding family, others · Filling in the details Closed ended questions Comprehensive checklists, other sources · How the tools affect the process • Collection ≠ Documentation Health IT Workforce Curriculum Version 1.0/Fall 2010 Component 2/Unit 4a2 Step Two analyzing findings Part 1: Giving Structure to the Data

## History and Physical Structure

"Every medical student should learn to do a complete History and Physical, and then never do one."

- David Sackett

## Structured Data Organization

- · Source and ID
- · Chief Complaint
- · Present Illness
- · Past History
  - allergies/adverse rxns
  - medications/treatments
  - past medical problemspast surgeries
  - menstrual/obstetric Hx
  - vaccinations/preventive
- · Social & Family History
- · Review of Systems
- · Physical Examination
  - Appearance/vitals/skin
  - HEENT/Neck
  - Lungs/Heart
  - Abdomen/Genitalia
  - Extremities/Back
  - Neurologic
- Ancillary data

Component 2/Unit 4a2

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## Select the Important Information

The clinic assistant says "blood pressure 225 over 140" as she brings in a man whose shoes are untied and loosened, with ankles bulging over the top. He looks healthy enough, but a little pale. He says he's a little short of breath after walking in from the parking lot, but his lungs sound clear, and he's only breathing 12 times a minute. "Do you smoke?" you say. "Used to - I quit three years ago." He says he's been gaining weight lately, and his clothes are fitting tight. You check his heart, which has an S4 gallop, but no murmur. You ask about his clothes: first his shoes, later his pants felt too tight. You check his abdomen, which shows no tenderness, masses, or enlarged organs. Then he recalls he was on medication for blood pressure a few years back, but stopped taking it 'cause he felt 'slowed down'. You check his pulse, it's 120, and notice 2+ pitting to mid shin. "Ever been sick before?" you ask. No, never in all my 39 years, except once when I got a rash from aspirin." "Oh yeah, and to have my tonsils out."

Component 2/Unit 4a2

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## 

#### History

#### Physical

- HPI progressive wt gain, shoes then pants fit tight exertional dyspnea,
- · GEN pale, healthy M • VS 225/140 120 12
- ALL ASA: rash; HTN Rx: 'slowed me down'
- HEENT
- NECK · LUNGS clear
- PMH ? HTN on ?Tx
- · SOC quit smoking
- HEART S4, no M
- · SURG tonsillectomy
- ABD nontender; no HSM
- EXT 2+ pitting to mid

Component 2/Unit 4a2

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Step 2 analyzing findings

Part 2: Finding Patterns and Meaning in the Data

# Hierarchy for Clinical Data

Global Complex	syndromes commonly seen together	
Diseases	specific conditions that cause syndromes	
Syndromes	constellation of symptoms and signs	
Facets	groups of findings related by pathophysiology	
Findings	subset that is relevant to his care	
Observations (may fit one Dx, multiple Dx, or no Dx)	everything we noticed and noted (the complete history and physical)	
Empirium Component 2/Unit 4e2	description of clinic, staff, light, sound, etc. Health IT Workforce Curriculum Version 1 0/Eal 2010 12	

Man with Edema		
Global Complex	none so far	
Diseases	HTN? alcohol? ischemic HD? toxin?	
Syndromes	Heart failure? Anemia?	
Facets	weight gain+edema; 225/140 + S4; pallor; tachycardia	
Findings	weight gain, DOE, Hx HTN, smoker, pallor, clear lungs, S4, normal abdomen, edema	
Observations	HPI progressive wt gain, shoes then pants fit tight exertional dyspnea, ALL ASA: rash: HTN Rx: 'slowed me down' PMI ? HTN on ?Tx SOC quit smoking SURG tonsillectomy	
	GEN pale, healthy M VS 225/140 120 12 LUNGS clear HEART S4, no M ABD nontender; no HSM EXT 2+ pitting to mid shin	
Empirium	clinio environmentiustaff, distance to parking lot Version 1.0/Fall 2010	

## Create a problem list

- weight gain + edema
- · exertional dyspnea but clear lungs
- pallor
- high BP + Hx HTN
- tachycardia
- S4 gallop
- RFs for CAD
- ex smoker

Component 2/Unit 4a2

## To-Do list for patient care

- GROUPING
  - Group related items
  - Don't group if unsure
- INCLUDE
- Items that need attention or action
  - Tonsils? Smoking? Male
- EXPRESSION
  - at level of understanding but no more

- problems with persistence,
precision of coding
Version 1.0Fall 2010

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