PRESENTING COMPLEX PATIENTS: A SYSTEMS-BASED APPROACH

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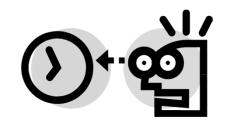
Objectives

Be able to:

- 1. Describe the purpose of using a systems based approach when monitoring and presenting a patient to a preceptor/provider.
- 2. Differentiate categories used to breakdown medical issues facing complex patients.
- 3. Identify categories to which different types of information would belong.
- 4. Compose a presentation to summarize a patient case and provide recommendations to a preceptor/provider

Purpose of using a framework for presenting a patient case

- When presenting a case, it is important to be:
 - Complete
 - Utilizing a framework helps to organize and avoid omitting information
 - Helps to anticipate questions that may be asked
 - Succinct
 - Utilizing a framework helps to present information efficiently
 - Be respectful of the time of others
 - Remember how busy preceptors/providers are



Problem- vs. Systems-Based Approach

Problem-based

Systems-Based

- Best for simple situations
 - Ex. Generally healthy patient with 1-2 issues
 - Ex. Patients with chronic diseases that are stable that have a small number of acute issue



- More thorough
 - Addresses each organ system
 - Helps insure nothing is missed
- Helps to organize presentation
 - Provides a framework to present from
- Helpful when there is uncertainty in diagnosis

Preparing to present a patient case

- Remember your audience
 - Physicians and pharmacists tend to be more focused on different aspects of patient care
 - Different specialties will also have different focuses
- Organize your information
 - Know which pertinent positives and negatives you want to mention
 - Know what you can omit from you presentation
 - Have written notes
- Anticipate questions
- Practice

Patient Name (L					Admissio		Room:					
Age	Admission CC:			Perti	nent PMH:	Allergies/ADRs:						
Gender												
Height	:											
Actual Body Wt	:											
Ideal Body Wt						Discharge Information:						
Adjusted Body Wt		Med Hx 🛛	Med Rec	Warfa	arin 🗆 PK 🗖							
BMI Med HX C Med Red L												
Line Acess: Central Line: Perpipheral Line:				E SRI PD) Status: HD	Drains/Tubes/Tracheostomy:						
Date												
Daily weight (kg):												
Vitals												
Labs		$\vdash \leftarrow \mid \dashv \vdash$		$\prec + + \checkmark$		$++ \langle$	$\rightarrow \rightarrow \rightarrow$					
WID HCT PR HCT PR Calchum Magnesium Possbarre	\succ	$\succ E \vdash \!$			⊢ E)— E	⊢ → E					
	Est CrCI: Est CrCI:				Est CrCI:	Est CrCI:	Est CrCI:					
Other Labs												
Therapeutic Drug Monitoring												
VTE Px												
GI Px												

PHARMACY MONITORING FORM

Patient Name (L	ast Name, Last 4):	Admission Date:	Room:				
Date							
Neurological NEURO							
Cardiovascular CV							
Pulmonary/ Respiratory PULM/RESP							
Gastrointestinal/ Nutrition Gl							
Renal/Hepatic							
Infectious diseases ID							
Hematological HEME							
Endocrinological ENDO							
PAIN Bowel regimen:							
Other:							

PHARMACY MONITORING FORM

Patient Name (Last Name, Last 4): Admission Date: Room: Monitoring Notes Image: Control of the second secon

	Date	Site	Initial Result	Final Result	Sensitivities
Cultures					

Antimicrobial	Indication	Date							

Beginning a patient presentation

- Start by introducing the patient.
 - Ex. JP is a 48 year old female...
- Explain why the patient was admitted.
 - Ex. JP is a 48 year old female who presented to the emergency room with respiratory distress.
- Give a brief summary of the patient's background and pertinent history.
 - Ex. JP is a 48 year old female who presented to the emergency room with respiratory distress yesterday. The patient has a history of CKD, hypertension, coronary artery disease, and lupus nephritis for which she receives chronic immunosuppression.

Beginning a patient presentation (cont.)

- Summarize recent, significant events
 - Provide context to your audience
 - Ex. JP was intubated in the ED and admitted to the ICU overnight. Blood cultures were obtained and broad spectrum antibiotics were started for possible health care associated pneumonia

• Next, perform a review of systems

Review of Systems

- Neurological
 - Ex. alerted mental status, seizure activity, psychiatric symptoms, Phenytoin levels
- Cardiovascular
 - Ex. chest pain, blood pressure abnormalities, arrhythmias seen on EKG, Serum K⁺, norepinephrine infusion rate
- Pulmonary
 - Ex. Respirations, shortness of breath, wheezing, coughing, intubation status, nebulized medications





Review of Systems (cont.)

- Gastrointestinal/Nutrition
 - Ex. constipation, melena, diarrhea, diet orders, TPN, enteral feeding rates



- Renal/Hepatic
 - Ex. serum creatinine, creatinine clearance, liver dysfunction, electrolyte abnormalities
- Infectious disease
 - Ex. fevers, sites of infection, culture data, empiric antibiotic coverage

Review of Systems (cont.)

- Hematological
 - Ex. anticoagulation, antiplatelet therapy, anemia, coagulopathies, H/H



- Endocrine
 - Ex. Serum glucose, diabetes, thyroid dysfunction, adrenal disease, reproductive
- Pain
 - Ex. pain score, chronic pain, neuropathic pain, bowel regimen, morphine infusion rate
- Prophylaxis
 - Ex. DVT ppx, stress ulcer ppx

Example System Presentation

Pulmonary

Ex. Patient hospitalized with dehydration and a severe asthma exacerbation.

"Patient has a history of moderate to severe persistent asthma, who presented with an acute asthma exacerbation. Patient's respirations down to 18 today from 24 bpm yesterday. O2 saturations have been between 92 and 98% on room air. Patient is currently receiving budesonide 180 mcg inhaled BID, and albuterol nebulizers scheduled q4hr. I would recommend decreasing the frequency of neb treatments to just q4hr prn."

Conclusion

• Provide overall assessment

- Quickly review main points of patient presentation
 - Ex. In summary, JP is our 48 year old female patient admitted to the ICU due to health care associate pneumonia requiring intubation.
- Identify areas for intervention
 - Ex. Patient blood pressure had now stabilized, but is currently fluid overloaded from multiple normal saline boluses given in the ER in the setting of chronic kidney disease.
- Provide therapy and monitoring recommendations
 - Ex. I would recommend doubling the patient's home dose of furosemide to help remove excess fluid. Potassium should be check in the morning.

Tips

- Be mindful of time
 - Avoid spending too much time on any one issue

Stay organized

- Be prepared to be interrupted with questions
- Refer to notes when needed

- Have labs and vitals recorded nearby
 - You may be asked about labs you were not expecting

Thank you