Prompt-A-Thon Example

AAMC NEGEA 2024
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NYU Grossman School of Medicine

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NYU Langone Health

A. Copy/Paste Prompts and example data

B. Assess Quality of Response

C. Refine Your Prompt

E. Try Something New!

User Prompt

Given the following medical school lecture title and associated learning objectives, create list of common underlying core concepts that should be studied to help with understanding the lecture content. Suggest an order in which to review these core concepts. Here is the lecture and learning objectives: ### [DATA]###

Example Data - Lecture Objectives

Mechanisms of Antibiotic Action

1. Objective 1: Trace the Origins of Antibiotic Therapy for Bacterial Infections
   Students will be able to trace the historical development and progression of antibiotic therapy, including the discovery and evolution of different classes of antibiotics, and their impact on the management of bacterial infections.

2. Objective 2: Explain the Mechanisms of Antibiotic Action
   Students will be able to explain and differentiate the various mechanisms by which antibiotics inhibit bacterial growth and survival, such as the disruption of cell wall synthesis, protein synthesis, nucleic acid synthesis, and metabolic pathways.

3. Objective 3: Analyze the Factors Influencing the Efficacy and Safety of Antibiotics
   Students will be able to analyze the factors that influence the efficacy and safety of antibiotics, including pharmacokinetics and pharmacodynamics, the site of infection, and individual patient characteristics. They should also be able to identify potential adverse effects and interactions of commonly used antibiotics.

4. Objective 4: Describe the Mechanisms of Antibiotic Resistance
   Students will be able to describe the processes by which bacteria develop resistance to antibiotics, such as genetic mutation, selection pressure, and horizontal gene transfer. They should also be able to explain the role these processes play in the development of multi-drug resistant organisms.

5. Objective 5: Propose Solutions to the Problem of Antibiotic Resistance
   Students will be able to recognize the global threat posed by antibiotic resistance and propose solutions to this issue. They should be able to explain the roles and responsibilities of physicians, patients, government agencies, and pharmaceutical companies in combating antibiotic resistance, such as proper antibiotic stewardship, development of new antibiotics, and public education.

CASE #2
Role: UME Educator
Objective: Assess Effectiveness of Feedback

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User Prompt

One framework for providing high quality feedback states that the feedback should be: Timely, Constructive, Actionable, Specific, and Descriptive.

With respect : these characteristics, provide an overall summary of the quality of the feedback below from a faculty member to medical residents.: [DATA]

Example Data - Feedback

I had limited interaction with Maurice due to the revised structure of the night shifts. However, he was consistently engaged during rounds and his two admissions were both concise and comprehensive. There are a few management areas he needs to further develop, which is typical for this early stage. His passion for his work and his patients distinguishes him from his peers. Despite having the most admissions and discharges, he demonstrated both efficiency and ability to manage complex patients.###

Maria's serene demeanor and thoughtful approach, even under stress, were commendable. We discussed how she can continue to hone these skills in more demanding scenarios, like leading a team as a senior resident or managing a crisis, where assertive communication is key.###

Anya's discovery of a heart murmur was noteworthy. Even more impressive was her thoroughness in performing H+Ps on all her patients, even those admitted for unrelated issues, such as a hand wound. Her diligence and firm grasp of the basics will undoubtedly benefit her in the future. ###

Her maturity across all domains is a definite asset. She has been successful in building strong relationships with patients and keeping them updated on their care plans. She possesses a solid foundational knowledge. ###

There has been significant improvement in delivering comprehensive patient presentations with a well-thought-out and thorough assessment. The ability to develop a strong differential diagnosis for patients has also been observed.###

The histories and presentations delivered during the night float were excellent and commendable.t###

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As an expert in graduate medical education and clinical teaching, analyze comments provided that are from faculty and are related to a single trainee resident's performance. The comments will each end with "###"
A) Summarize into 2 paragraphs.
B) Provide a numbered list of 5 key strengths or areas for improvement. If the overall sentiment of comments is positive, provide more strengths in the list, or if it is negative provide more areas for improvement.

Example Data

###Liam has demonstrated commendable performance in his role as a resident. He exhibits efficiency in developing prioritized assessments and formulating evidence-based diagnostic and management plans. His inquisitiveness is one of his strongest attributes, and the depth of his questions often surpasses those of his peers, suggesting a higher level of understanding and critical thinking.
 Liam's interpersonal skills set him apart as a physician. His blend of competence, intelligence, and compassion make him an exceptional care provider. He is unwavering in his commitment to his patients and consistently infuses positivity into the team atmosphere, a quality that distinguishes him from his peers. His ability to maintain a positive attitude while delivering high-quality patient care is an attribute that will undoubtedly serve him well in his career. His knowledge base in general medicine is extensive, which aligns well with his aspirations in rheumatology. However, while his cardiovascular-specific knowledge is not as well-developed as his general medicine knowledge, it is still noteworthy and can be improved with focused efforts. Liam's strong clinical judgment is reflected in his well-structured and informative case presentations, which demonstrate a solid foundation of medical knowledge. However, there are areas in which he can further refine his skills. Time management is one such area. While Liam is diligent and dedicated, he could benefit from implementing more effective time management strategies to ensure all tasks are completed in a timely manner. Additionally, while his communication skills are generally strong, there is room for him to be more concise and direct to avoid potential miscommunication. Continual learning is a critical aspect of professional growth, and Liam could benefit from seeking out more feedback and learning opportunities. This would not only allow him to address any areas of weakness but also facilitate his growth and development as a physician. In spite of these areas for improvement, Liam's potential is unquestionable. His dedication, diligence, and competence have consistently shone through during his residency. I am confident that he will take this feedback in stride and use it as a stepping stone towards further improvement. I eagerly anticipate witnessing his career progression and have no doubt that he will continue to excel in his future endeavors.Liam has demonstrated commendable performance His blend of competence, intelligence, and compassion make him an exceptional care provider. He is unwavering in his commitment to his patients and consistently infuses positivity into the team atmosphere, a quality that distinguishes him from his peers. His ability to maintain a positive attitude while delivering high-quality patient care is an attribute that will undoubtedly serve him well in his career. His knowledge base in general medicine is extensive, which aligns well with his aspirations in rheumatology. However, while his cardiovascular-specific knowledge is not as well-developed as his general medicine knowledge, it is still noteworthy and can be improved with focused efforts. Liam's strong clinical judgment is reflected in his well-structured and informative case presentations, which demonstrate a solid foundation of medical knowledge. However, there are areas in which he can further refine his skills. Time management is one such area. While Liam is diligent and dedicated, he could benefit from implementing more effective time management strategies to ensure all tasks are completed in a timely manner. Additionally, while his communication skills are generally strong, there is room for him to be more concise and direct to avoid potential miscommunication. Continual learning is a critical aspect of professional growth, and Liam could benefit from seeking out more feedback and learning opportunities. This would not only allow him to address any areas of weakness but also facilitate his growth and development as a physician. In spite of these areas for improvement, Liam's potential is unquestionable. His dedication, diligence, and competence have consistently shone through during his residency. I am confident that he will take this feedback in stride and use it as a stepping stone towards further improvement. I eagerly anticipate witnessing his career progression and have no doubt that he will continue to excel in his future endeavors.
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CASE #4
Role: Student
Objective: Simulated Patient Encounter - Communication Skills

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User Prompt

You, ChatGPT, will act as a patient. I will play doctor. You are [name], [age, gender, family history, etc.] I, as a [learner level] , will try to [clinical goal]. You will be [describe patient behavior]. You now enter the doctor's office. Let's start saying hi.

At the end, evaluate the student's competency using [EPA, ACGME].

Example Data

No data needed

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User Prompt
Write a patient case for [learner level] to highlight [condition] to improve [learning objective such as knowledge, clinical skills, or EPA].

Example Data

No data needed

CASE #6
Role: UME Educator
Objective: STEP-like question generator

User Prompt

Write 5 [USMLE-style [question type, MCQ, Matching] questions for [stage] students with correct answers and explanation about the following learning objective with varying levels of difficulty. Specify difficult levels as [different difficulties] : """[learning objectives]""" Add in the clinical stem a patient's history, physical exam findings, and lab results as bullet points with numbers.

Example Data
No data needed

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User Prompt

I have pre- and post exam scores for 3 learner groups. What is the best formula to run spss?

Example Data
No data needed