Tennessee CTE

Medical Therapeutics

Therapeutic Careers	**1** Differentiate career pathways within the Therapeutics cluster. Using supporting evidence from multiple sources, such as local job postings, O*NET OnLine, and Tennessee Department of Labor and Workforce Development data, describe the scope of practice and the essential knowledge and skills required for these careers. Complete one or more career aptitude surveys, analyze the results, and relate in an essay how personal career aptitudes align with careers in therapeutics. 1
	2 Analyze specific laws and ethical issues that impact professional practice such as confidentiality, informed consent, and patient self-determination. Citing specific textual evidence to support analysis, debate these issues in an oral or written format. 2
	3 Differentiate between the common members of the patient care team summarizing the individual roles and the interrelatedness of the team members as it relates to quality patient care. Prepare an informative artifact to explain the concept of team-based care to a patient. 3
Health Care Communication	**4** Evaluate factors that contribute to effective communication and explain how these factors contribute to the development of quality patient care. Using role-play, demonstrate practices to effectively manage communication barriers, cultural differences and clients with special needs. 4
	5 Differentiate between verbal and nonverbal communication when interacting with patients. Examine specific techniques for effective communication and evaluate how different cultures attach different meanings to communication techniques. 5
Facility Guidelines for Practice	**6** Compare the advantages and disadvantages of Electronic Health Records (EHR). Anticipate barriers and challenges associated with the large-scale move to EHR in healthcare institutions. 6
	7 Explain in a written, oral, or digital format the differences in privacy of individually identifiable health information, protected health information (PHI), and security rule. Review case studies to identify violations, preventive measures, and penalties that might be levied for violations. 7
	8 Relate the use of collected data by hospital information systems to the use of collected data in quality improvement initiatives. Determine how data related to

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sex, race and ethnicity is used to reduce disparities in different types of care such as cardiac care or cancer treatment. 8

9 **Examine policies and procedures related to therapeutic equipment safety, quality control monitoring, and evaluation. Synthesize information into a digital or written presentation to instruct appropriate staff on the importance of safety practices and the implementation of quality control processes according to policy.** 9

Patient Assessment and Treatment

10 **Demonstrate an understanding of basic medical terminology in order to monitor patient/client status through:** 10

- a History and Physical including but not limited to: family, environmental, social, and mental history 10.A
- b Brief Head to Toe Assessment noting normal vs. abnormal findings 10.B
- c Vital Signs Assessment (VS) 10.C
- d Height/weight, BMI /Calculation 10.D
- e Specimen Collection 10.E

11 **Outline the gross normal structure and function of all body systems and summarize appropriate medical text(s) in order to relate signs and symptoms of common diseases and disorders associated with each.** 11

- a integumentary and lymphatic systems 11.A
- b nervous and musculoskeletal systems 11.B
- c cardiovascular and respiratory systems 11.C
- d digestive and urinary systems 11.D
- e reproductive and endocrine systems 11.E

12 **Relate a therapeutic procedure/treatment to a specific body system. Create a digital or written artifact explaining anatomy involved with the treatment, reason for treatment, health care professionals assisting or performing treatment and patient education, including precautions that should occur prior to the treatment or procedure.** 12

Fundamentals of Patient Care

13 **Demonstrate concepts and skills of the following in a clinical/lab setting:** 13

- a Patient Positioning 13.A
- b Transfers and Ambulation (including injury prevention and body mechanics) 13.B
- c O2 Assessment and Administration (including fire safety) 13.C
- d BLS (Basic Life Support) 13.D

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14 **Demonstrate mastery of concepts and skills related to asepsis, Universal Precautions, sanitation, disinfection, and sterilization for patient/client care settings citing the rationale for each concept/skill using standards and guidelines**

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from the Centers for Disease Control and Prevention (CDC) and the Occupational Safety and Health Administration (OSHA) in a lab/clinical setting. 14

15 Correlate the function of normal flora with homeostasis and relate deviation to disease states. Evaluate specific measures to prevent deviation that are aligned with accepted standards of care. 15

16 Assess the differences between healthcare-associated infections and non-healthcare associated infections using examples drawn from mock patient documents or case studies. Support explanations with relevant surveillance statistics, preventive measures, and methodologies concerning outbreak detection, management, and education. 16

17 Develop a patient health education plan including health screenings, preventive measures, signs and symptoms of exacerbation of disease/disorder/injury, pharmacological needs, and support systems. Include citations from at least three medical texts. 17