

## INTRODUCTION TO PHLEBOTOMY (GPT003H)

A hybrid modular venepuncture course awarding a CPD / OCN Accredited Level Three Certificate (3 credits)

**Part 1** - online (eLearning) **Part 2** - Classroom (one day)

### PART 1 - ONLINE:

#### M01: Course Overview:

Online instructions and course content.

#### M02: History, Definitions and Roles:

Early day blood-letting and history of phlebotomy. Definitions and roles within healthcare environments.

#### M03: Work-flow Cycles:

Phlebotomist and laboratory work flow cycles.

#### M04: Professionalism:

Interacting with patients and staff including patient confidentiality and GDPR.

#### M05: Health and Safety:

Keeping Safe. Bloodborne pathogens and work practice controls. Effective use of PPE. Standard Precautions. Waste disposal. Needle-stick injuries and how to avoid.

#### M06: Blood Collection Systems:

A detailed look at three blood collection systems and associated equipment.

#### M07: Anatomy and Physiology:

An overview of the integumentary system and cardiovascular system. Understanding veins, arteries, capillaries and nerves, and their locations.

#### M08: Blood Composition:

A detailed look at the composition of blood. Routine tests on whole blood and routine tests on serum and plasma, including profiles.

#### M09: Using the Equipment:

A detailed look at one blood collection system (Vacutainer), including standard and butterfly needles and all associated equipment. A comparison of Vacutainer with Monovette and respective merits. Sterilisation processes. Bottle types

and handling. Coagulants and anticoagulants. Blood Culture collection.

#### M10: Performing the Venepuncture - see Part 2

#### M11: Lab Tests & Bottle Types:

A detailed look at test requests and associated departments. Haematology, Biochemistry and Microbiology requests. Special Biochemistry tests. Sample handling and timing.

#### M12: Analytical Errors:

Understanding pre- and post-analytical errors including hidden errors.

**PLEASE NOTE THAT PART 1 MUST BE COMPLETED BEFORE ATTENDING PART 2**

### PART 2 - CLASSROOM:

#### M01: Welcome, Introductions and Overview:

Course registrations. E-learning modules (recap), practical sessions overview, intended learning outcomes and course content.

#### M10: Performing the Venepuncture:

Pre-venepuncture procedures. The venepuncture. Post-venepuncture procedures. Order of Draw. Complications - causes and solutions. Consent types. Patient ID. Special Requests. Implementing Standard Precautions.

#### Practical Session 1:

Equipment familiarisation. Hands-on approach.

#### Practical Session 2:

Using the tourniquet and identifying a vein. Hands-on approach.

#### Practical Session 3:

Handling and assembling the equipment. Hands-on

approach using vein blocks. Familiarisation and procedures including initial skill-set development.

#### Practical Session 4:

Handling and assembling the equipment. Hands-on approach using vein blocks. Skill-set development and consolidation.

#### Practical Session 5:

Performing the venepuncture (on artificial arms). Palpating the vein, performing the venepuncture and consolidating pre- and post-venepuncture procedures. Further skill-set development.

#### Practical Session 6A & 6B:

**6A:** Performing the venepuncture (on artificial arms). Palpating the vein, performing the venepuncture and consolidating pre- and post-venepuncture procedures. Further skill-set development from initial test request to post sample handling and labelling.

**6B:** Role-play (pairs). Performing the procedure in simulation, from request card to sample handling and labelling. Group alternates between 6A and 6B. Includes a short video presentation.

**M13:** Quiz answers and answers to informal quizzes.

**M14:** Award - accredited certificates: value, application and overview. Job Opportunities.

### HOME STUDY PACK:

A home study pack is provided to you prior to attending the course and is an integral part of your learning programme. Completion of this assignment is recommended before attending\* and is designed to provide you with a basic knowledge of several fundamental subject areas. Completion of this assignment will enable you to reach your target "learning time" to achieve an award of 3 credits.

\* Post course submission is acceptable - please contact for further details.