

Stem Cell and Cord Blood Bank GUIDED TRAINING

Professional Growth and Learning

Introduction

Professional and Development Programs at King Faisal Specialist Hospital & Research Centre (KFSH&RC) are designed to enhance the skills and knowledge of healthcare professionals and other related disciplines. These programs aim to ensure that staff remain up-to-date with the latest medical practices, technologies, and research advancements. Through a variety of workshops, training sessions, and certifications, KFSH&RC fosters continuous learning and professional growth, ultimately improving patient care and hospital services.

Overview of On-The-Job Training (OJT) Programs

On-The-Job Training Programs at King Faisal Specialist Hospital & Research Centre (KFSH&RC) are designed to provide employees with hands-on experience in their specific fields while they work. These programs aim to enhance practical skills and ensure that staff are fully equipped to handle their responsibilities effectively. By integrating training directly into the workplace, KFSH&RC ensures that employees can apply what they learn immediately, leading to improved performance and a more efficient work environment.

Apprenticeship Training Programs (ATP)

The Structured Apprenticeship Training Program (ATP) at King Faisal Specialist Hospital and Research Centre (KFSH&RC) is a premier on-the-job training initiative. This program is meticulously designed to enhance the knowledge and skills required in specialized areas, ensuring participants become highly qualified professionals. KFSH&RC's ATP program is delivered by expert preceptors who use state-of-the-art equipment and technology to provide an engaging and comprehensive learning experience. The program duration ranges from one week to six months, offering a structured training plan that encompasses all the essential competencies needed for success in your field.

ATP Program:

Stem Cell and Cord Blood Bank Guided Training

Program Overview:

The Stem Cell Processing and Cord Blood Bank Training Program is meticulously structured to impart essential skills in stem cell processing for the treatment of both malignant and non-malignant conditions. This training equips participants with cutting-edge techniques vital for the efficient handling and use of stem cells, starting with mastering CD34/CD3 quantitation through flow cytometry methods. Trainees will also become proficient in using the SEPAX II machine for plasma depletion in minor compatibility allogeneic products and the CBAX machine for RBC depletion in major compatibility allogeneic products. Furthermore, the program

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includes detailed instruction on operating a Controlled Rate Freezer (CRF) for stem cell harvest cryopreservation. This curriculum ensures that participants are well-prepared to advance in the rapidly evolving fields of stem cell therapy and cord blood banking.

Program Objectives:

By the end of the training, participants will:

- Operate CD34 / CD3 Quantitation using flow cytometry method.
- Identify the principles of Plasma Depletion in Minor Compatibility Allogeneic Products using SEPAX II Machine.
- Identify the principles of RBC Depletion in Major Compatibility Allogeneic Products using CBAX Machine.
- Operate the Stem Cell Harvest Cryopreservation using Control Rate Freezer (CRF).

Acceptance Criteria:

- No experience required.
- Pre-requisite Assessment will be done to determine the knowledge level.
- Bachelor's degree or higher in Applied Medical Sciences only.

Duration:

- Two months.

Benefits:

- Medical coverage as per hospital policy.
- Certificate of completion.

Fees:

- 2,000 SAR per month (excluding 15% VAT).

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Apply via QR Code:

