Programs Accreditation Standards

Survey Visit Type:	Choose an Item

TRAINING PROGRAM DETAILS						
Training Program Name	Cardiac Perfusion	**Program Type**	Diploma			
Training Program Duration	2 Years	1 Year(s)	1 Year	No. of Senior Year(s)	1 Year	
Training Center Name			City		Date	

D. Dedicated Sessions per Full-Time Equivalent Trainer (Consultants and/or Senior Registrar/Senior Specialist) **The One Session is defined as: 3-4 Hours Activity**	No. of Sessions/Cases per Trainer
Clinical Teaching Session(s)	Minimum 1 per week
Operation Room Session(s)	Minimum 1 per week
Out-Patient Clinic Session(s)	Minimum 1 per week
Clinical Round	Minimum 1 per week
Number of Cardiac Perfusion Elective Cases per Full-Time Equivalent Trainer (Consultants and/or specialist /Senior Specialist)	Minimum 175 per year

P. Conditions for Consideration of Part-Time Trainers as a Full-Time Equivalent Trainer

- Program Director must be always on a Full-Time Contract at the Training Center.
- One or More Part-Time Trainer(s) Should Fulfill the Workload Sessions of at Least One Full-Time Equivalent Trainer in Order to be calculated in the Training Capacity Formula.
- Part-Time Trainer Contract should be for Minimum of One-Year to be included in the Training Capacity Calculation, in order to maintain the sustainability of Training, and the Training Center is Committed to Renew the Contract Annually or Notify the SCFHS at Least 12 Months ahead of the Admission Gate and Submit a Request to modify the Training Capacity Accordingly.
- The Part-Time Trainer Contract and Job Description must state the commitment of Part-Time Trainer towards active engagement in Training.

B. Conditions for Consideration Senior Registrar/Senior Specialist as a Full-Time Equivalent Trainer

- Senior Registrar/Senior Specialist must be granted the Credentials and Privileges of Acting Consultant by the Healthcare Institution 's Credentialing and Privileging Committee for the Specialty/Sub-Specialty that they are Qualified to act as a Full-Time Equivalent Trainer.
- Senior Registrar/Senior Specialist must have the Full Workload Sessions as defined above for the Full-Time Equivalent Trainer.
- Senior Registrar/Senior Specialist must have a separate Patients/Cases Workload from other Full-Time Equivalent Trainers.
- Senior Registrar/Senior Specialist on a Part-Time Contract must fulfill the above Conditions in section P and section B to be considered as a Full-Time Equivalent Trainer in the Training Capacity Calculation.

Training Capacity Calculation Formula		
Total Training Capacity	Trainer to Trainee Ratio	Number of Full-Time Equivalent Trainers X N / Number of Training Program Years
	1:2	No. of Trainers x 2 x Percentage of Accredited and Verified Training Duration Implemented Within the Center over the Training Program Duration
Annual Acceptance	Total Training Capacity ÷ 2	
Trainers Included in TCF	SCFHS Classified Cardiac Perfusion Trainers (Consultant and/or Senior Specialist and/or specialists)	

Junior Year(s)	Senior Year(s)
Level 1	Level 2
50%	50%

Accredited Total Training Capacity (If Applicable)	Trainees	**Current Number of Trainees (If Applicable)**	Trainees

Accredited Training Capacity in the Program (Not Applicable if it is a Newly Applying Training Program)	
Level 1	Level 2
50%	50%
Current Number of Trainees as identified by the Survey Team (Not Applicable if it is a Newly Applying Training Program)	

Accreditation Standards' Weighing Definitions:	
ETR0	If Not Fully Met, the New Program Will Not Be Accredited, Accredited Program Will Be Warned, Frozen, or Withdrawn
ETR1	Mandatory for Full Accreditation
ETR2	Highly Recommended
Accreditation Standards' Compliance Scoring Definition:	
Fully Met	When the Compliance to the Accreditation Standard is > 90% (Comment when Required)
Partially Met	When the Compliance to the Accreditation Standard is > 50-90% (Comment is Required)
Not Met	When the Compliance to the Accreditation Standard is ≤ 50% (Comment is Required)
Not Applicable (N/A)	When the Standard does not apply to the Training Center (Comment is Required)

I. INSTITUTION

The Institutionally-Accredited Training Center Assumes the ultimate responsibility for Supervision of the Training Program at the Affiliated Training Site(s); and Collaborates with other Training Centers (When Applicable) to share responsibility for Supervision of the Training Program at the Participating Training Site(s).

Standard	Fully Met	Partially Met	Not Met	N/A	Comment
I.1. The Training Center is Responsible for Supervision of Trainees (Sponsored and Non-Sponsored Rotating Trainees) at All **Affiliated Training Sites** (i.e. Training Sites that are linked to the Governance of the same Training Center). (ETR1)					
I.2. The Training Center has a Valid Inter-Institutional Collaboration Agreement with other Training Center(s), when Collaborating to execute the Training Program at **Participating Training Sites** (i.e. Training Sites that are linked to the Governance of another Training Center). (ETR1)					

A. ADMINISTRATIVE STRUCTURE

There Must be an Appropriate Administrative Structure for the Training Program.

Standard	Fully Met	Partially Met	Not Met	N/A	Comment
A.1. PROGRAM DIRECTOR					
A.1.1. Classified by the SCFHS (or Equivalent if the Training Center is Outside the KSA) as a Consultant or a Senior Specialist in Cardiac Perfusion. (ETR0)					
A.1.2. Program Director (PD) Appointment is Approved as per the SCFHS Regulations (or Meets the SCFHS PD Appointment Requirements for the newly applying Training Program). (ETR1)					

A.1.3. Does not Assume any other Leadership Position (i.e. Head of Section/Department, Medical Director, CEO, or any other Clinical/Administrative Leadership Position). (ETR1)					
A.1.4. Monitors and Ensures Adequate Supervision of Trainees at All Affiliated and/or Participating Training Sites, reports to the **Training Program Committee** (TPC: for the Full Training Program) or the **Shared Training Program Committee** (STPC: for the Shared Training Program), and Remediates through TPC Issues Related to Training. (ETR1)					
A.1.5. Coordinates with Institutional Training Committee (ITC), Training Program Committee (TPC) and the Training Sector's Shared Training Programs Committee (for the Shared Training Program). (ETR1)					
A.1.6. Communicates Effectively with the Designated Institutional Official (DIO). (ETR1)					
A.1.7. Communicates Effectively with the Head of Section/Department, Trainers and Trainees. (ETR1)					
A.1.8. The Training Center provides the Program Director with Adequate Protected Time, Administrative Secretarial Support Coordinator(s), Incentives and Access to a Private Office. (ETR1)					
A.1.9. Fulfills his/her Duties as defined by the SCFHS. (ETR1)					
A.1.10. Submits Documents required by the SCFHS. (ETR1)					
A.1.11. Has an Appointed Deputy. (ETR2)					
A.2. Training Program Committee Structure. Must Be Formed at the Training Center's Primary Training Site, and can have Sub-TPCs at the Affiliated Training Sites.					
A.2.1. Chaired by the Program Director. (ETR0)					
A.2.2. Membership includes Trainers' Representation from All Affiliated Training Sites. (ETR1)					
A.2.3. Membership includes at Least One Elected Trainees' Representative with Full and Equal Voting Rights. (ETR1)					
A.2.4. Meets at least Quarterly, Meeting Minutes are made available. (ETR1)					

A.2.5. Communicates Effectively with the ITC, Head of Section/Department, Trainers & Trainees. (ETR1)					
A.3. Responsibilities of the Program Director & Training Program Committee.					
A.3.1. Selection of Candidates. (ETR1)					
A.3.2. Ensure the Trainees Receive Adequate General, Program-Specific and Rotation-Specific Orientation Prior to the Start of the Training Activities. (ETR1)					
A.3.3. Ensure and Monitor the Implementation of the Training Program as Stated at the SCFHS Curriculum. (ETR1)					
A.3.4. Discuss, Document Any Major Deviation off the Training Program Curriculum, present it to the ITC, communicate it to the SCFHS through the DIO, and Seek the Necessary Formal Approval Prior to the Implementation. (ETR1)					
A.3.5. Review Trainees' Evaluations, Develop Remediation Plans for Trainees Not Meeting the Required Level of Competence, Follow-up Remediation Plans Implementation, Results and Act accordingly. (ETR1)					
A.3.6. Monitor Progress of Training and Promotion of Trainees. (ETR1)					
A.3.7. Activate Appeal Mechanism When Appeals Are Received. (ETR1)					
A.3.8. Promotes Access of Trainees to Well-Being Program and Stress Counselling. (ETR1)					
A.3.9. Support Trainees through Career Planning & Counselling. (ETR2)					
A.3.10. Ensure Adequate and Regular Review of the Training Program Learning Environment and Educational Resources.					
A.3.10.1. Feedback of Trainees is Obtained and Utilized for Continuous Improvement of the Learning Environment. (ETR1)					
A.3.10.2. Training Program Learning Environment is Evaluated by the Trainees. (ETR1)					
A.3.10.3. Trainees are Evaluated by the Trainers and TPC. (ETR1)					

A.3.10.4. Trainers Provide Trainees with Timely Feedback During and Prior to the End of each Training Rotation. (ETR1)					
A.3.10.5. Appropriate Trainers-to-Trainees Interaction that is Open, Collegial and Respectful of Trainees' Confidentiality. (ETR1)					
A.3.10.6. Trainers are Evaluated by the Trainees and TPC. (ETR1)					
A.3.10.7. Conduct Clinical Learning Environment Review of Each Major Component of the Training Program. (ETR1)					
A.3.10.8. Conduct Internal Review of the Training Program at least Once during the Program Accreditation Cycle, Determine/Execute Corrective Action Plan Accordingly, address it at the TPC and Present it to the ITC, Follow-up and Document the Progress of Corrective Action Plan until All Issues are Resolved (ETR1)					
A.3.10.9. Form the Internal Review Team to include One Trainer, One Trainee (Both from the same Training Program) and an External Reviewer (Trainer from a Different Specialty inside the Training Center **or** from the same Specialty of another Training Center). (ETR1)					
A.3.10.10. The Internal Review Team Utilizes the Latest SCFHS Training Program Accreditation Standards, as made Available at the SCFHS Website. (ETR1)					
A.3.10.11. Ensure Coherence and Monitor Compliance of Trainers and Trainees into the SCFHS Institutional Accreditation Standards, Training Program Accreditation Standards. (ETR1)					
A.3.10.12. Ensure Coherence and Monitor Compliance of Trainers and Trainees into the SCFHS Accreditation, Training and Assessment Bylaws, Policies and Procedures. (ETR1)					
A.3.10.13. Monitor the Trainees Participation in Clinical/ Translational/ Basic Sciences Research Activities, Patient Safety and Healthcare Quality Improvement Projects. (ETR2)					

A.3.11. There is a Process that Ensures Safety of Trainees and Patients. (ETR1)					
A.3.11.1. Includes Educational Activities and Mentorship related to Patient Safety. (ETR1)					
A.3.11.2. Includes Trainees' Safety Measures (ETR1)					
A.3.11.3. Trainees and Trainers Are Aware of the Process. (ETR1)					
A.4. Administrative Secretarial Support Coordinator(s).					
A.4.1. Adequately Assigned to the Training Program. (ETR1)					
A.4.2. Provided with Adequate Access to Office Space, Computer and Phone. (ETR1)					
A.4.3. Provide Adequate Support to the Program Director and Trainees. (ETR1)					
A.4.4. Adequately Coherent with the Training Program and SCFHS Regulations. (ETR1)					
A.5. Trainers (Training Faculty).					
A.5.1. Adequately Supported, Recognized and Valued. (ETR1)					
A.5.2. Certified as Trainers at areas of Clinical Teaching, Formative Assessment and Mentorship (SCFHS-TOT or Equivalent). (ETR2)					
A.5.3. Committed to Perform their Training, Education, Mentorship and Supervisory Responsibilities. (ETR1)					
A.5.4. Facilitate and Supervise Trainees, Research and Scholarly Work. (ETR1)					
A.5.5. Adequately Provided Opportunities for Faculty Development in Postgraduate Clinical Teaching, Formative Assessment and Mentorship. (ETR1)					

T. TRAINING CAPACITY

The Training Program Maintains a Balanced Distribution of Trainees Throughout the Training Years, Does Not Exceed the Allocated Training Capacity As per the SCFHS Training Program Latest Accreditation Decision; Immediately Notifies the SCFHS of Negative Changes at the Educational Resources or Launch of Parallel Non-SCFHS Accredited Training Program that shares the same Educational Resources, and Proactively Submits a Request to Reduce the Training Capacity in order to match the Training Program's Educational Resources with the Training Program's Accreditation Standards and Training Capacity Calculation Formula.

Standard	Fully Met	Partially Met	Not Met	N/A	Comment
T.1. The Training Program Does Not Exceed the Training Capacity as Accredited by the SCFHS. (ETR0)					
T.2. The Training Program's Educational Resources Are Adequate to Support the Number of Trainees Appointed to the Training Program at All Times (Sponsored by the Training Center, Rotating from other Training Centers or Off-Service Trainees from other Training Programs Specialties). (ETR0)					
T.3. The TPC Ensure that Trainees of various Training Levels Are Not Sequestrated at a certain Training Level or Training Rotation which may Negatively Affect the Training Exposure and Competencies Attainment. (ETR0)					

G. GOALS AND OBJECTIVES

The Training Center is Committed to Achieve the Goals and Objectives as defined by the SCFHS Training Program latest Curriculum and Accreditation Standards

Standard	Fully Met	Partially Met	Not Met	N/A	Comment
G.1. The Training Program Implements the Rotation-Specific Goals and Objectives (Knowledge, Skills and Attitudes) Utilizing the Competency Framework Defined the SCFHS Curriculum (CanMEDS or Others). (ETR0)					
G.2. Trainers and Trainees Are Fully Coherent about the SCFHS Training Program Curriculum including the Training Rotations' Goals & Objectives. (ETR0)					
G.3. Trainers and Trainees Review the Training Rotations' Goals & Objectives Prior to the Start of each Training Rotation, and Aim to Achieve Them During and Prior to the end of each Training Rotation. (ETR0)					
G.4. Goals and Objectives of each Training Rotation Are Utilized in Clinical Teaching, Learning, Formative Assessment and End-of-Rotation Evaluation Feedback. (ETR0)					

S. STRUCTURE AND ORGANIZATION OF THE TRAINING PROGRAM DELIVERY

The Training Program's Rotations Structure and Organization, Both Mandatory and Electives, are Designed to Provide the Trainee with the Opportunity to Fulfil the Educational Goals and Objectives in order to Attain the Required Competencies for Professional Practice at the Training Program Specialty/Sub-Specialty Field.

Standard	Fully Met	Partially Met	Not Met	N/A	Comment
S.1. Delivers All Components of the SCFHS Training Program Curriculum. (ETR1)					
S.2. Trainees are Adequately Supervised. (ETR1)					
S.3. Each Trainee is Provided the Opportunity to Assume Senior Role During his/her Training Program Duration. (ETR1)					
S.4. Service Demands Do Not Interfere with Academic Training Program Delivery. (ETR1)					
S.5. Trainees have Equal Opportunity to Meet the Educational Goals and Objectives. (ETR1)					
S.6. Trainees have Opportunity for Elective Rotations Inside and/or Outside the Training Center as approved by the TPC/STPC. (ETR1)					
S.7. Training Learning Environment is Free of Intimidation, Harassment, Abuse and Promotes Trainees' Safety. (ETR1)					
S.8. The Center Should Be Committed to What is Stated in the Duties and Rights of the Trainee's Documents That is Issued by SCFHS. (ETR1)					
S.9. Collaboration with Other Training Centers for Trainees of a Similar Training Program Specialty Who Need to Rotate in the Specialty of the Training Program at the Training Center to Bridge a Certain Gap or to Expand their Clinical Training Exposure. (ETR2)					
S.10. Collaboration with Other Training Programs' Specialties (Inside or Outside the Training Center) for Trainees Who Need to Rotate in the Specialty of the Training Program to Bridge a Certain Gap or Expand their Clinical Training Exposure. (ETR2)					

C. CLINICAL, ACADEMIC AND SCHOLARLY CONTENT OF THE TRAINING PROGRAM

The Clinical, Academic and Scholarly Content for Postgraduate Health Professions Education are Designed to Adequately Attain the Required Competencies for Professional Practice at the Training Program Specialty/Sub-Specialty Field. The Quality of Scholarly Content of the Training Program Will, in Part, be Demonstrated by the Spirit of Enquiry During Clinical Discussions, at the Procedure Room, Clinical Rounds, Bedside, Ambulatory Care, Clinics or Community, Journal Clubs, Seminars, and Conferences. Scholarly Content Implies an in-Depth Understanding of Basic Mechanisms of Normal and Abnormal States of Health and the Application of Up-to-Date Knowledge to Practice. The SCFHS Utilizes CanMEDS Competency Framework for the Most of its Training Programs.

Standard	Fully Met	Partially Met	Not Met	N/A	Comment
C.1. Medical/Health Expert Trainees are exposed to an Effective Teaching and Supervised Practice Pertaining to:					
C.1.1. Expertise in Decision-Making Skills. (ETR1)					
C.1.2. Expertise for Assessing the Need of Consultation to Other Health Professionals. (ETR1)					
C.1.3. Building Knowledge, Practice and Expertise through Supervised Clinical Exposure. (ETR1)					
C.1.4. Structured Teaching of Basic and Clinical Sciences Learning through Weekly Academic Half-Days. (ETR1)					
C1.5. Addressing Issues related to Age, Gender, Culture and Ethnicity. (ETR1)					
C.1.6. Active Engagement in Relevant Committees (Morbidity/Mortality, Patient Safety, Quality, Infection Control, Medications Safety, Research, etc.). (ETR2)					
C.2. Communicator Trainees are exposed to an Effective Teaching and Supervised Practice Pertaining to:					
C.2.1. Communication Skills. (ETR1)					
C.2.2. How to Report Adverse Events, Document at Patient Records & Utilize Electronic Medical Record. (ETR1)					
C.2.3. Appropriate Consultation Skills, Referrals, Hand-Over, and/or Transfer of Care. (ETR1)					
C.3. Collaborator Trainees are exposed to an Effective Teaching and Supervised Practice Pertaining to:					
C.3.1. Collaborative Skills for Inter-Professional and Multi-Disciplinary Healthcare Delivery. (ETR1)					
C.3.2. Skills for Conflicts' Management and Resolution. (ETR1)					

C.4. Leader Trainees are exposed to an Effective Teaching and Supervised Practice Pertaining to:					
C.4.1. Leadership Skills. (ETR1)					
C.4.2. Allocation of Healthcare Resources. (ETR1)					
C.4.3. Management of Health Professional Practice and Career. (ETR1)					
C.4.4. Serving in Administrative and Leadership Function. (ETR1)					
C.4.5. Principles and Practice of Healthcare Quality Assurance and Quality Improvement. (ETR1)					
C.5. Health Advocate Trainees are exposed to an Effective Teaching and Supervised Practice Pertaining to:					
C.5.1. Realization, Promotion and Response to the Health Needs of the Patient, Community and Population. (ETR1)					
C.6. Scholar Trainees are exposed to an Effective Teaching and Supervised Practice Pertaining to:					
C.6.1. Teaching Skills. (ETR1)					
C.6.2. Feedback to the more Junior Trainees. (ETR1)					
C.6.3. Critical Appraisal of Literature Using Knowledge of Research Methodology, Conduct and Biostatistics. (ETR1)					
C.6.4. Self-Assessment and Self-Directed Learning. (ETR1)					
C.6.5. Conduct of a Scholarly Project. (ETR1)					
C.6.6. Conduct of Research Project. (ETR1)					
C.6.7. Participation in a Patient Safety Project. (ETR1)					
C.6.8. Participation in a Healthcare Quality Assurance or Improvement Project (ETR1)					
C.6.9. Presentation or Participation at National, Regional or International Conferences. (ETR1)					
C.7. Professional Trainees are exposed to an Effective Teaching and Supervised Practice Pertaining to:					
C.7.1. Professional Conduct & Ethical Behaviours.					

C.7.1.1. Deliver High Quality Care with Integrity, Honesty and Compassion. (ETR1)					
C.7.1.2. Intra-Professional, Inter-Professional and Interpersonal Behaviours. (ETR1)					
C.7.1.3. Practice in Ethically Responsible Manner. (ETR1)					
C.7.1.4. Analysis and Reflection to Adverse or Sentinel Events and Strategies to Prevent Re-Occurrence. (ETR1)					
C.7.2. Principles of Bioethics. (ETR1)					
C.7.3. Relevant Legal and Regulatory Framework. (ETR1)					
C.7.4. Personal Health and Well-Being. (ETR1)					

E. EVALUATION OF TRAINEES PERFORMANCE

Mechanisms in Place is Required to Ensure the Systematic Collection and Interpretation of Evaluation Data for Each Trainee Enrolled in the Training Program through the Implementation of the SCFHS-Approved Evaluation System.

Standard	Fully Met	Partially Met	Not Met	N/A	Comment
E.1. Clearly Defined Methodology of Evaluation. (ETR1)					
E.2. Evaluation Compatible with the Characteristic Being Assessed.					
E.2.1. Evaluation of Knowledge. (ETR1)					
E.2.2. Evaluation of Clinical Skills by Direct Observation. (ETR1)					
E.2.3. Evaluation of Attitudes and Professionalism. (ETR1)					
E.2.4. Evaluation of Communication Abilities with Patients, Care-Givers and Colleagues. (ETR1)					
E.2.5. Written and Verbal Communications. (ETR1)					
E.2.6. Evaluation of Collaborating Skills. (ETR1)					
E.2.7. Evaluation of Teaching Skills. (ETR1)					
E.2.8. Evaluation of Response to Issues Related to Age, Gender, Culture and Ethnicity. (ETR1)					
E.3. Evaluation is Provided in an Honest, Helpful, Timely Manner, Documented and Provided in a Feedback Session.					
E.3.1. Ongoing Informal Feedback During the Training Rotation. (ETR1)					
E.3.2. Face-to-Face Formal Feedback Meetings. (ETR1)					
E.4. Trainees are Informed of Serious Concerns. (ETR1)					
E.5. Evaluations are Reviewed Regularly by the TPC. (ETR1)					
E.6. Provides Final In-Training Evaluation Report (FITER). (ETR1)					

R. RESOURCES:

There must be Adequate Educational Resources including Training Faculty, Number/Variety of Patients and Procedures, Physical and Technical Resources, Supporting Facilities and Services Necessary to Provide the Opportunity for All Trainees in the Training Program to Attain the Educational Objectives, as Defined by the SCFHS Training Program Curriculum.

Standard	Fully Met	Partially Met	Not Met	N/A	Comment
R.1. Sufficient Number of Qualified Full-Time Equivalent (FTE) Trainers and Appropriate Number, Age, Gender, Variety of Patients (or Lab Specimens or Radiology Images)					
R.1.1. ≥ 2 SCFHS classified Cardiac Perfusion Senior Specialist OR 1 SCFHS classified Cardiac Perfusion Senior Specialist and ≥ 1 SCFHS classified Cardiac Perfusion Specialist Trainer. (ETR0)					
R.1.2. ≥ 3 Fully Functional Heart-Lung Machines (HLM) Available. (ETR0)					
R.1.3. Heart-Lung Machines (HLM) Units Must be Current-Generation Roller or Centrifugal Pump Platforms with Integrated Safety and Monitoring Capabilities (e.g., Terumo Sarns 9000, LivaNova S5, Maquet HL 20/30, or Equivalent). (ETR0)					
R.1.4. All HLM Units Must Have a Valid Biomedical Engineering Preventive Maintenance Contract and Documented Service History. Calibration and Safety Testing Records Must Be Available for Survey Review. (ETR1)					
R.1.5. Cardiac Perfusion (this Section covers all 7 rotations: Introduction to Cardiovascular Perfusion, Basic Cardiovascular Physiology, Equipment and Instrumentation Handling, Perfusion Techniques, Advanced Monitoring Techniques, Advanced Perfusion Techniques and Clinical Decision Making. (ETR0)					
R.1.5.1. ≥ 350 Elective Cardiac Perfusion Cases per Year. (ETR0)					
R.1.5.2. ≥ 1 Valve Replacement Therapy per week. (ETR0)					

R.1.5.3. ≥ 1 Combined Coronary Artery Bypass Grafting and Valve Replacement Therapy per month. (ETR0)					
R.1.5.4. ≥ 1 Aortic Surgery Case per week. (ETR0)					
R.1.6. Adult Cardiac Surgery.					
R.1.6.1. ≥ 2 SCFHS certified Cardiac Surgery Trainers. (ETR1)					
R.1.6.2. ≥ 3 Adult Cardiac Surgery Cases per Week. (ETR1)					
R.1.6.3. ≥ 1 Congenital Cardiac Surgery per week (ETR1)					
R.1.6.4. ≥ 2 Cardiac Surgery Outpatient Clinics per Week (ETR1)					
R.1.7. Pediatric Perfusion Techniques.					
R.1.7.1. ≥ 1 SCFHS certified Pediatric Cardiac Surgery Trainers. (ETR1)					
R.1.7.2. ≥ 1 Pediatric Cardiopulmonary Bypass Case per Week. (ETR1)					
R.1.7.3. ≥ 1 Pediatric ECMO case per month. (ETR1)					
R.1.8. Emergency Perfusion Procedures.					
R.1.8.1. ≥ 1 Coronary Artery Bypass Grafting per week. (ETR1)					

R.1.8.2. ≥ 1 Valve surgery per week. (ETR1)					
R.1.9. Management of Cardiopulmonary Bypass.					
R.1.9.1. ≥ 4 Total Cardiopulmonary Bypass (CPB) Cases per Week. (ETR1)					
R.1.9.2. ≥ 1 Coronary Artery Bypass Grafting (CABG). (ETR1)					
R.1.10. Miniaturized Circuits for Cardiopulmonary Bypass.					
R.1.10.1. ≥ 2 Miniaturized Circuits for CPB. (ETR1)					
R.1.11. Ventricular Assist Device (VAD) Program.					
R.1.11.1. ≥1 Active VAD Program with Implantation Experience (LVAD and/or BiVAD); Trainees Must Have Supervised Exposure to VAD Insertion and Weaning Procedures. (ETR1)					
R.1.11.2. ≥1 SCFHS certified Cardiac Surgery or Cardiac Failure senior specialist Available to supervise VAD-Related Training Activities. (ETR1)					
R.1.12. Extracorporeal Membrane Oxygenation (ECMO) Program.					
R.1.12.1. ≥1 Active ECMO Program with Dedicated Perfusionist and/or ECMO Specialist Coverage. (ETR1)					
R.1.12.2. ≥1 ECMO Case every 8 Weeks. (ETR1)					
R.1.12.3. Adult VA and/or VV. (ETR2)					
R.1.12.4. Pediatric VA and/or VV (ETR2)					

R.1.12.5. ≥1 Current-Generation ECMO Platform Available (e.g., Maquet Cardiohelp, LivaNova ECMO System, Getinge iLA Activve, or Equivalent) (ETR1)					
R.1.13. Heart Transplantation Perfusion.					
R.1.13.1. ≥ 1 SCFHS classified Cardiac Surgery Trainer with Heart Transplantation experience. (ETR2)					
R.1.13.2. Access to an Active Heart Transplantation Program. (ETR2)					
R.1.13.3. Supervised exposure to Heart Transplantation perfusion, including donor-heart preservation and implantation cardiopulmonary bypass ≥ 1 case per year. (ETR2)					
R.1.14. Academic Activities					
R.1.14.1 Ensure Trainers and Trainees participation in Academic half-day inside/ outside Training Center. (ETR0)					
R.1.14.2. Multidisciplinary Cardiac Team Meetings (Minimum Once per Week). (ETR1)					
R.2. Clinical Services and Resources Organized to Promote Training and Education.					
R.2.1. Trainers Excel in Teaching, Training, Formative Assessment and Mentorship Skills. (ETR1)					
R.2.2. Multi-Disciplinary Based Healthcare Service Promoting for Educational Learning Environment. (ETR1)					
R.2.3. Integration of Emergency, Acute Care, Ambulatory and Community Experiences (When Applicable). (ETR1)					
R.2.4. Knowledge, Skills & Attitudes Relating to Age, Gender, Culture, and Ethnicity are considered for Effective Training Program Delivery. (ETR1)					

R.2.5. Expertise and Facility Required to Identify, Prevent and Handle Patients Adverse Events Are Available. (ETR1)					
R.3. Adequate Access to Computers/E-Library/On-Line References/ Health Information Management System Are Available 24/7 within Close Proximity. (ETR1)					
R.4. Physical & Technical Educational and Clinical Resources meet the SCFHS Standards of Accreditation.					
R.4.1. Adequate Space for Daily Work. (ETR1)					
R.4.2. Adequate Access to Appropriately Furnished and Equipped on Call Rooms (Males/ Females, Junior/ Senior) for In-Hospital and/or Out-of-Hospital On-Calls. (ETR1)					
R.4.3. Adequate Access to Dining Facility, Cafeteria and/or Vending Machine (Males/ Females). (ETR1)					
R.4.4. Adequate Access to Appropriately Furnished and Equipped Lounge and/ or Office Space for the Trainees (Males/ Females). (ETR2)					
R.4.5. Access to Technical Resources for Patient Healthcare Delivery. (ETR1)					
R.4.6. Access to Simulation Center or Facility for Direct Observation of Clinical and Procedural Skills. (ETR1)					
R.4.7. Access to Private Space for Clinical and/or Educational Confidential Discussion. (ETR1)					
R.5. Supporting Facilities and/or Services.					
R.5.1. Diagnostic Imaging Services Available 24/7 (Including Chest X-Ray, CT, and Echocardiography). (ETR1)					
R.5.2. Laboratory Services and Blood Bank Available 24/7, Including Point-of-Care Testing (ABG, Lactate, Glucose, Electrolytes) and an Active Massive Transfusion Protocol (MTP). (ETR1)					
R.5.3. Perfusion Documentation System: A Digital or Paper-Based Perfusion Record System Must Be in Active Use for All CPB Cases, Documenting Pump Flows, Pressures, Temperatures, Gas Delivery, Drug Administration, and Relevant Intraoperative Events. Trainees Must Have					

Supervised Access to Complete and Review Perfusion Records as Part of the Training Program. (ETR0)					
R.5.4. Available Intensive Care Unit (ICU). (ETR0)					
R.5.5. Available Thoracic Surgery. (ETR2)					
R.5.6. Available Cardiology / Coronary Care Unit (CCU). (ETR2)					
R.5.7. Available Cardiac Catheterization Laboratory. (ETR0)					
R.5.8. Available Echocardiography. (ETR0)					
R.5.9. Available Cardiac Anesthesia. (ETR0)					
R.5.10. Available Pediatric Cardiac Surgery. (ETR1)					

Training Rotations				
معتمد Accredited		ETR Type	المدة Duration	Training Rotation
لا	نعم			
☐	☐	ETR0	8 weeks	Introduction to Cardiovascular Perfusion
☐	☐	ETR0	8 weeks	Basic Cardiovascular Physiology
☐	☐	ETR0	4 weeks	Equipment and Instrumentation Handling
☐	☐	ETR0	8 weeks	Perfusion Techniques
☐	☐	ETR1	4 weeks	Adult Cardiac Surgery
☐	☐	ETR1	4 weeks	Research Methodologies
☐	☐	ETR0	4 weeks	Advanced Monitoring Techniques
☐	☐	ETR1	4 weeks	Pediatric Perfusion Techniques
☐	☐	ETR1	4 weeks	Emergency Perfusion Procedures
☐	☐	ETR0	12 weeks	Advanced Perfusion Techniques
☐	☐	ETR0	8 weeks	Management of Cardiopulmonary Bypass
☐	☐	ETR1	8 weeks	Miniaturized Circuits for Cardiopulmonary Bypass
☐	☐	ETR0	4 weeks	Clinical Decision Making
☐	☐	ETR2	4 weeks	Ventricular Assist Devices
☐	☐	ETR1	8 weeks	Extracorporeal Membrane Oxygenation (ECMO)
☐	☐	ETR2	4 weeks	Heart Transplantation Perfusion
☐	☐	ETR1	4 weeks	Research in Perfusion Technology

List of Affiliated Training Sites (Training Sites that are linked to the Governance of the same Training Center and accredited for the Training Program)			
Training Site		Training Site	
	11		1
	12		2
	13		3
	14		4
	15		5
	16		6
	17		7
	18		8
	19		9
	20		10

List of Participating Training Sites (List of Training Sites that are linked to the Governance of another Training Center that collaborate with the Training Program to bridge a certain gap or to expand the Clinical Training Exposure)			
Training Site		Training Center	
			1
			2
			3
			4
			5
			6
			7
			8
			9
			10
			11
			12
			13
			14
			15

Programs Accreditation Survey Agenda			
Time	Minutes	Agenda	Remarks
8:00 - 09:00	60	Meeting the Program Director	
9:00 - 10:00	60	Documents Review (Part 1)	
10:00 - 11:00	60	Meeting with the Trainees	
11:00 - 11:40	40	Meeting with the Faculty Trainers	
11:40 - 12:15	35	Meeting with the Head of Department	
12:15 – 13:00	45	Break	
13:00- 13:45	45	Facility Tour	On-Call Rooms, Lounge, Training Classrooms, OPD, Wards, ER, OR, Lab, Radiology, Pharmacy
13:45 - 15:15	90	Documents Review (Part 2) Surveyors Closed Meeting & Preparing the Survey Report	
15:15 – 16:00	45	Exit De-Brief with the Program Director	

اسم البرنامج التدريبي	

Findings/Issues الملاحظات

عدد معايير الاعتماد البرامجي المستوفاة في كل قسم								
Section R ETR0:14 ETR1:34 ETR2:8	Section E ETR0:0 ETR1:14 ETR2:0	Section C ETR0:0 ETR1:32 ETR2:1	Section S ETR0:0 ETR1:8 ETR2:2	Section G ETR0:4 ETR1:0 ETR2:0	Section T ETR0:3 ETR1:0 ETR2:0	Section A ETR0:2 ETR1:44 ETR2:4	Section I ETR0:0 ETR1:2 ETR2:0	Standards' Weight
								(ETR0)
								(ETR1)
								(ETR2)

Program Director مدير البرنامج	
Name: الاسم	
Signature: التوقيع	
Date: التاريخ	14 / / - 20 / /
Stamp	

توصية فريق زيارة الاعتماد			
اسم البرنامج التدريبي			
اسم المركز التدريبي			
الدولة		المدينة	
التاريخ	/ / 14هـ الموافق / / 20م		

التوصيات

نوع قرار الاعتماد	
Choose an item	Choose an item

حالات التحديث: (إن وجد)			
.1	Choose an item	.4	Choose an item
.2	Choose an item	.5	Choose an item
.3	Choose an item	.6	Choose an item

فئة اعتماد البرنامج التدريبي
Choose an item.

عدد معايير الاعتماد البرامجي المستوفاة في كل قسم

Standards' Weight	Section I ETR0:0 ETR1:2 ETR2:0	Section A ETR0:2 ETR1:44 ETR2:4	Section T ETR0:3 ETR1:0 ETR2:0	Section G ETR0:4 ETR1:0 ETR2:0	Section S ETR0:0 ETR1:8 ETR2:2	Section C ETR0:0 ETR1:32 ETR2:1	Section E ETR0:0 ETR1:14 ETR2:0	Section R ETR0:14 ETR1:34 ETR2:8
(ETR0)								
(ETR1)								
(ETR2)								

الطاقة الاستيعابية المقترحة في كل مستوى (لا ينطبق على رفض الاعتماد البرامجي أو تجميد الاعتماد البرامجي)

المستوى 1	المستوى 2	المستوى 3	المستوى 4	المستوى 5	المستوى 6	المستوى 7

مصادقة فريق الزيارة

المقرر		العضو المشارك الأول		العضو المشارك الثاني	
الاسم		الاسم		الاسم	
التوقيع		التوقيع		التوقيع	