Continuing Medical Education (CME) Office Activities

1. **Acute Pain Management:**
   
   This course provided the opportunity to understand the scope of the problem of acute pain, the mechanisms of acute pain and the benefits and barriers to specific pain interventions. Participants were able to explore the evidence for various acute pain management guidelines across different populations, identify the gaps between evidence and practice and also understand how to implement change in clinical practice.

2. **Acromegaly**

   Activity was held by the CME office as per the request of the Iraqi MOH. A group of doctors, nurses and pharmacist from the endocrinology center in Baghdad, requested this specific training given the interest about the topic.

3. **Autoimmune Diseases: A Multidisciplinary Approach- From Diagnosis to Treatment**

   This activity focused on major autoimmune diseases management and treatment such as ITP, TTP, Waldenstrom Macroglobulinemia, and Hemolytic anemia. In addition to that it introduced updates on the diagnosis and management of SLE and the APS, Polymyositis and Dermatomyositis and management of rejection after organ transplantation.

4. **Observership in Bone Marrow Transplantation**

   AUBMC was selected by the Iraqi Medical City Teaching Hospital to provide an Observership activity in the Bone Marrow Transplantation for 2 Physicians, 2 Nurses, 1 Doctor in Pharmacy and 2 Lab Technicians at the American University of Beirut Medical Center. The course and observership were facilitated by AUBMC house staff. The program (course and Observership) included the following; 2 weeks for the lab technicians, 1 month for the nurses and the Pharmacist and 2 months for the Physicians.

5. **Cardiovascular Atherosclerosis Preceptorship**

   This preceptorship is designed to provide the attendees with the latest research on the epidemiology, pathophysiology, and treatment of cardiovascular atherosclerosis and its risk factors. The course is intended for the practicing general internist, family physician,
as well as postgraduate residents being trained in these specialties. It provided an indepth analysis of important topics in cardiovascular diseases prevention and treatment: Diabetes, hypertension, smoking cessation, metabolic syndrome and obesity, interventions to treat obesity...etc. In addition, the course had two special lectures focusing on secondary prevention after an acute coronary or cerebrovascular event.

6. **Chronic Obstructive Pulmonary Disease (COPD)**

This activity provided the key healthcare providers with knowledge and skills based on the international guidelines of the Global Initiative for Chronic Obstructive Lung Disease (GOLD). In alignment with the general goal of GOLD, this activity was designed to engage with the known treatment of COPD and emphasis on recent therapies and management of the disease, for a better patient awareness and outcome. The program topics focused on identifying the epidemiology and prevalence of the COPD in our region, pointing new pharmacological and non-pharmacological therapies and interventions, describing devices, inhalers and physiological assessment tools used in COPD. The essential goal of this activity was to tackle key opinion leaders in the nation and lead them, through this activity to be able to disseminate the newly acquired knowledge to their peers and society.

7. **Critical Care Nursing**

This was a 3-credit course [42 contact hours] that tackled concepts and issues related to the diagnosis and management of clients with critical illness. Areas of emphasis included advanced assessment in critical illness; ethical and psychosocial issues related to critical illness; management of critically ill adults with cardiovascular, respiratory, neurologic, metabolic and renal problems, as well as emergency nursing care.

8. **Heart Failure Management Workshop: A Multidisciplinary Approach**

This activity focused on updates on heart failure, Dietary Management of Patients with Heart Failure and promoting self-care in heart failure. Moreover, heart failure community outreach program was introduced along with a briefing on multidisciplinary heart failure clinics.

9. **Hemoglobin Disorders mainly Thalassemia & Sickle Cell Diseases**

This workshop focused on the knowledge and the skills of Professional Nurses to manage patients with Thalassemia and Sickle Cell disease. The course addressed the pathophysiology, clinical manifestations and management of patients with Thalassemia, and Sickle Cell disease. Moreover, the psycho-social management of these patients and their families was enclosed. Emphasis was placed on adequacy of chelation therapy.
focusing on the practical issues for optimal benefits with the new chelators, as well as the role of the nurses in the overall treatment.

10. Iraqi Diabetes

The workshop was also requested by the Iraqi Group from the endocrinology center regarding the diabetes management for the purpose of operating a specialized diabetes center.

11. Iraqi Nurses Multiple Sclerosis (MS) Training

This was a 2 day program targeting Multiple Sclerosis Nurses from Iraq to give them a better overview of Multiple Sclerosis, the latest assessment tools used and provide better care for patients with MS in Iraq. The essential goal of the course was to give nurses a clear overview about MS and orient them to the care provided at the AUB MC MSC

12. Kidney Transplantation

This is a two day program targeting opinion leaders and pioneers among Middle Eastern physicians, nurses and health workers caring for patients with end stage renal disease who require or have undergone kidney transplant. The objective of this course was to allow the participant to identify challenges in meeting the needs of the Middle East population for transplant.

13. Multiple Sclerosis symposium

This is a one day course targeting opinion leaders and pioneers among Middle Eastern physicians, nurses and health care workers caring for patients with multiple sclerosis (MS) disease. This program included up-to-date information on MS pathophysiology/immunology, neuro-imaging, diagnosis, and treatment

14. National Collaborative Perinatal Neonatal Network (NCPNN) Regional Bi-Annual Meeting

The NCPNN regional biannual meeting was intended for health care providers working in the fields of high risk obstetrics and neonatology. The meeting addressed timely topics in those fields in addition to a parallel session targeting nurses for updates in maternal and neonatal health. In addition to that, a workshop was offered highlighting the latest in ventilation technology and strategy. The purpose of this activity was to update Health Care Practitioners on new guidelines and technologies pertaining to the care of mother and newborns. Another goal was to promote surveillance activities with
its major role in quality improvement and policy making in the field of maternal and neonatal health.

15. **Neonatal and Nursing Nutrition Program**

This course was intended for nurses applying for or working in a newborn nursery and/or neonatal intensive care unit (NICU). The principal goal of the course is to provide the basic knowledge necessary to care for newborns in general and critically ill neonates and their families in particular. The content included an overview of the most common conditions encountered in the neonatal period focusing on the role of nursing in critical care. The course consisted of didactic lectures and workshops with hands-on experience.

16. **Neuroendocrine Tumors Workshop**

The objective of the workshop was to help attendees identify the pathogenesis, histological features, and classification of neuroendocrine tumors. Distinguish the utility, sensitivity and specificity of immunohistochemistry in confirming the diagnosis of neuroendocrine tumors. Indicate some unusual locations of neuroendocrine tumors. Discuss the role of imaging in neuroendocrine tumors. Practices newly acquired skills in the laboratory work up for the testing of neuroendocrine tumors and discuss the recent management of different neuroendocrine tumors.

17. **Palliative and End-Of-Life Care:**

This activity is the 1st Master Class held by the Salim El-Hoss Bioethics and Professionalism Program at the American University of Beirut Faculty of Medicine and the Hariri School of Nursing. It aimed at bringing physicians, nurses, and other health care professionals interested in the field of palliative and end-of-life care from all over Lebanon together to discuss issues pertaining to palliative care.

18. **Rheumatology Training Program for Primary Care Physicians**

Training aimed to fill the gaps and specific needs of physicians. Its purpose was to update physicians about the latest advances in rheumatology, increase their awareness of MSK conditions and specific rheumatic diseases, and to promote early detection as well as proper management. A major objective of the training was to lead to continuing medical education which will ultimately prevent MSK disability through early diagnosis, improve quality of care, and increase referrals of complex cases to rheumatologists.
19. **Seminar on Advances in Anticoagulation and Thrombosis Management**

This seminar provided healthcare professionals with the knowledge and skills to improve their competence in managing thromboembolic conditions. It was designed to tackle current anticoagulation management issues and practices with an emphasis on recent advances in anticoagulation care. The content focused on major physiologic and pathophysiologic concepts related to handling patients on anti-coagulation therapy.

20. **Simulation Workshop (MEMA)**

This workshop held during the Middle East Medical Assembly (MEMA) included simulation in the following scenarios:

1. Trauma case of a young person who sustained a MVC and presented in shock with an amputated leg
2. OBGYN case of a mother delivering a big baby who sustains a hemorrhagic shock secondary to the placenta abruption
3. Neonatal resuscitation of the baby who was just delivered who had a low APGAR and a distorted shoulder
4. Airway; basic and advanced skill station

21. **Society for Heart Attack Prevention and Eradication (SHAPE):**

Combining live and internet-based modules, this two-day program was supposed to be held six times a year and target physicians, mid-level providers, and registered nurses. Participants will be able to view the internet-based video modules (3 in total, approximately 30 minutes each) and receive six live modules by the AUB-Cardiology faculty. At the end of this part of the program, they will be able to take an online exam and submit it for certification through SHAPE as a “Heart Attack Prevention/Early Detection Certified Specialist”. Program participants will receive 3 AMA PRA Category I CME CreditsTM. The course stresses on the need for better risk stratification and emphasizes the new guideline recommendations for Prevention of Cardiovascular Disease (CVD) among asymptomatic persons and women in particular.

In light of recent experiences with internet-based programs, we opted to modify the course to become mixed, whereby a SHAPE Instructor, Dr. Hussain Isma'eel, is present on site to answer questions related to the material presented, leaving participants to sit for certification at the end.
A complementary part was added to the program which is the Doctors to Coach Change workshop. This workshop which is conducted by the Coaching Clinic is modified to suit our participants, and aims to advance their coaching skills that are needed to achieve better patient compliance with medications and lifestyle habits changes. This is an important element to ensure better health outcomes in chronic diseases in general and CVD in particular.

22. **Wound Care**

The aim of the seminar was to provide healthcare professionals with the knowledge and skills to improve their competence in assessing and managing different types of wounds. It was designed to engage attendees in new care protocols and emphasize recent advances. The Seminar topics focused on the presentation of different types of wounds and their respective management. The importance of the course was in the hands-on skills application section. Candidates were divided into 3 groups where they rotated on pre-set skill stations for demonstration and application.

23. **Anticoagulation**

The purpose of the seminar was to provide healthcare professionals with the knowledge and skills to improve their competence in managing thromboembolic conditions. It was designed to tackle current anticoagulation management issues and practices with an emphasis on recent advances in anticoagulation care. Seminar topics focused on identifying common indications for the use of anticoagulant/antithrombotic agents, describing clinical assessment and laboratory monitoring of the patient on anticoagulants/antithrombotics, describing risks and safety implications associated with anticoagulants/antithrombotics, describing pharmacology of anticoagulant/antithrombotic agents, and addressing patient and family educational needs.

24. **Leadership and Management in Nursing**

This program helps build the managerial capacity of nurse managers or nurses in charge in leading and managing skills to ensure success in today’s dynamic healthcare environment. It emphasizes the use of creativity in problem solving and decision-making thus promoting critical thinking which is essential to the nursing management process. It introduces nurses to the change process and control measures which contribute to the improvement of nursing practice and patient care outcomes.
program allows nurses to examine their role as leaders of quality care in today’s rapidly changing healthcare environment.

25. **Leading Quality Initiatives at the Bedside**

The major challenge that healthcare organizations face is the provision of quality care. Involving those who provide hands-on care in quality initiatives can transform the way patients receive cost-effective care. Healthcare administrators need to recognize the significant role every single person take part in achieving quality outcomes especially the body the forms the majority of any hospital staff, namely nurses. It is timely to start training and supporting the nurses who provide direct care in leading and transforming care at the bedside. Once in the hands of those direct-care nurses if well trained and coached quality outcomes would be better achieved and sustained.

This 2-credit course prepares direct-care nurses to be involved in quality initiatives and take the lead in transforming care at the bedside.
26. Administration of Chemotherapy

Purpose
To develop the knowledge and skills of qualified nurses in the administration and safety aspects of chemotherapy administration.

Language: English
Place: Hariri School of Nursing CPDC 216

For more information please contact the Nursing Services Clinical & Professional Development Center (CPDC), Monday through Friday between 7am and 4pm
Telephone: 01-350000 ext.6330

The Administration of Chemotherapy course provided by the American University of Beirut – Medical Center, Nursing Services – Staff Development, is an accredited nursing skills competency program by the American Nurses Credentialing Center’s Commission on Accreditation (expiration date September 2014). There is no endorsement of any products by ANCC.

The presenters do not have any conflict of interest, such as financial interest in product or company presented, direct research support provided by a company, or other form of potential bias.

Speakers
Mr. Samar Khalil, Environmental and Safety Engineer
Ms. Layal Al Labban, Oncology Pharmacist
Ms. Fatima Issa, Oncology Pharmacist
Ms. Ghina Khattab, RN BSN, MPH, Oncology Clinical Educator
Ms. Rim Saad, RN, MSN, Certified Pediatric Hematology Oncology Nurse, Pediatric Oncology Clinical Nurse Specialist
Ms. Rebecca El Ammar, RN, MSN, Advanced Oncology Clinical Nurse Specialist
Ms. Daniae Dalioua, BSN, MSN, Clinical Educator

Course Objectives
By the end of this course the audience will be able to:
- Describe the investigational process all drugs undergo to gain approval to use
- Explain the biologic effects of chemotherapeutic agents
- Identify selected commonly used agents, their mechanism of action, and unique administration issues, major side effects
- Review specific nursing assessment and patient and family education that may prevent and/or reduce the impact of systemic side effects
- Identify the proper storage, and transportation of chemotherapeutic agents
- Identify nursing procedures and interventions for administering cytotoxic agents
- Discuss two immediate complications of cancer therapy, extravasation, and hypersensitivity
- Demonstrate competence in chemotherapy administration
- Discuss safety precautions involved with handling cytotoxic agents

Completion of the Course/Program
Upon completion of the program, the participants will receive 17.5 accredited nursing contact hours.
- Additional 1 accredited nursing contact hour for passing the written qualifying exam
- Verification statement that they are “Qualified to Administer Chemotherapy” valid for three years.

Nursing Services
Clinical & Professional Development Center
ANCC Nursing Skills Competency Program
Administration of Chemotherapy
Wednesday April 17, 2013

American University of Beirut Medical Center is Accredited As a Provider of Continuing Nursing Education By The American Nurses Credentialing Center’s Commission On Accreditation.
27. **ATLS**

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**ATLS® Program Overview**

Injured patients present a wide range of complex problems. The ATLS Student Course presents a concise approach to assessing and managing multiply injured patients. The course presents doctors with knowledge and techniques that are comprehensive and easily adapted to fit their needs. The skills described in this manual represent one safe way to perform each technique. The ACS recognizes that there are other acceptable approaches. However, the knowledge and skills taught in the course are easily adapted to all venues for the care of these patients.

The American College of Surgeons (ACS) and its Committee on Trauma (COT) have developed the Advanced Trauma Life Support (ATLS) Program for doctors; a systematic, concise training for the early care of trauma patients. The ATLS Program provides participants with a safe, reliable method for immediate management of the injured patient and the basic knowledge necessary to:

1. Access the patient’s condition rapidly and accurately.
2. Resuscitate and stabilize the patient according to priority.
3. Determine if the patient’s needs exceed a facility’s capacity.
4. Arrange appropriately for the patient’s inter-hospital transfer (who, what, when, and how).
5. Assure that optimum care is provided and that the level of care does not deteriorate at any point during the evaluation, resuscitation, or transfer process.

For doctors who infrequently treat trauma, the ATLS course provides an easily remembered method for evaluating and treating the victim of a traumatic event. For those doctors who frequently treat traumatic disease, the ATLS course provides a scaffold for evaluation, treatment, education, and quality assurance— in short, a system of trauma care that is measurable, reproducible, and comprehensive.

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**Venue**

The Rafic Hariri School of Nursing, American University of Beirut Medical Center
CME
The American College of Surgeons is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education (CME) for physicians.
The American College of Surgeons designates the ATLS Student Course for a maximum of 19.5 hours AMA PRA Category 1 Credits™.

About the ATLS® Program & Course
Need:
- Injury is precipitous and indiscriminate
- The doctor who first attends to the injured patient has the greatest opportunity to impact outcome
- The price of injury is excessive in dollars as well as human suffering

Program:
- CME Program developed by the ACS Committee on Trauma
- One safe, reliable method for assessing and initially managing the trauma patient
- Revised every 4 years to keep abreast of changes

Audience:
- Designed for doctors who care for injured patients
- Standards for successful completion established for doctors
- ACS verifies doctors' successful course completion
- Paramedics can audit the course and will be granted a certificate of participation with 12 CME credits.

Benefits:
- An organized approach for evaluation and management of seriously injured patients
- A foundation of common knowledge for all members of the trauma team
- Applicable in both large urban centers and small rural emergency departments

Objectives:
- Assess the patient's condition rapidly and accurately
- Resuscitate and stabilize the patient according to priority
- Determine if the patient's needs exceed a facility's capabilities
- Arrange appropriately for the patient's definitive care
- Ensure that optimum care is provided

Student Course:
- Teaches medical core content in an interactive format
- Hands-on skills sessions in simulated trauma settings
- Successful completion status valid for 4 years from course date
Registration

To register for this course, have one passport sized photographs and your cash payment to the AUB CME office in the AUB Medical Center.

To guarantee your place you must provide cash payment in full at the time of registration.

ATLS Student Course: USD 800.00 for Physicians and Resident Physicians
ATLS Auditors: USD 50 for RNs

Space is limited and available FIRST COME, FIRST SERVED.

We encourage early registration so we can provide the best service to our participants.

The registration fee covers the cost of record keeping expenses, Program materials, faculty expenses and continuing education recording.

Course materials will be issued once registration is completed and payment has been received.

We are unable to accept telephone registrations.

DEADLINE
Registration and payment must be submitted fourteen business days prior to first day of class.

REFUND POLICY
A full refund will be granted if for administrative reasons the course is canceled.
No refund will be granted for a candidate’s cancellation or postponement made less than one month prior to the course or for failure to attend.
28. **Management Quality Improvement**

**Overview:**

This course helps build the managerial capacity of nurse managers, supervisors, and directors in leading and managing quality improvement initiatives. It emphasizes data-driven decision making and the use of creativity in quality initiatives based on critical thinking and reflective practice that is essential to safe nursing care. This course allows participants to examine their role as leaders in today’s challenging quality improvement efforts.

**Number of credits:** 2 credits.

**Learning Outcomes:**

Upon completion of course, the participants will be able to:

1. Examine their roles and responsibilities in leading quality improvement initiatives.
2. Utilize evidence based practices designed to reduce error and improve patient safety.
3. Examine the effect of organizational structure and environment, and patient relation initiatives on creating a culture of patient safety.
4. Compare and contrast the essentials and standards of various types of accreditation and risk management techniques and strategies.
5. Discuss strategies for optimizing healthcare team performance in quality initiatives utilizing effective communication and group skills.
6. Examine role of nurse leaders in effecting healthcare policy.
7. Explore the role of nurses in healthcare organization accreditation efforts.
8. Develop a plan of select quality improvement initiative at a unit level.

**Teaching Methods:**

- Discussions
- Workshops, group work and presentations
- Individual exercises
- Clinical practice
- Clinical project

**Study Material:**
29. **Cardiovascular Training Course**

<table>
<thead>
<tr>
<th>Module One: Assessment of Cardiovascular Function</th>
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<tbody>
<tr>
<td>Basic Cardiac Concepts: Anatomy and Physiology</td>
<td>45 minutes</td>
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<tr>
<td>Cardiovascular assessment: theory</td>
<td>60 minutes</td>
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<tr>
<td>Cardiovascular assessment: simulation lab</td>
<td>60 minutes</td>
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<tr>
<td>Diagnostic Evaluation</td>
<td>45 minutes</td>
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<tr>
<td>Introduction to Hemodynamic Monitoring</td>
<td>60 minutes</td>
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<tr>
<td>Cardiac Disease symptoms: Chest Pain, Hypertension, Dyspnea, Syncope, and Irregular Heart Rhythm</td>
<td>60 minutes</td>
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<tr>
<td>Risk factors for cardiac disease: assessment</td>
<td>30 minutes</td>
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<tr>
<td>Basic EKG interpretation and skill performance: theory and simulation lab</td>
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<thead>
<tr>
<th>Module Two: Management of Patients with Dysrhythmias and Conduction Problems</th>
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<tbody>
<tr>
<td>Interpretation of the Electrocardiogram: A review and exercises</td>
<td>30 minutes</td>
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<tr>
<td>Evidence based care of Arrhythmias</td>
<td>60 minutes</td>
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<tr>
<td>Basic Life Support</td>
<td>120 minutes</td>
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<tr>
<td>Advanced Life Support</td>
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<tr>
<th>Module Three: Management of Patients with Coronary Artery Disease</th>
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<tbody>
<tr>
<td>Differentials of Chest Pain</td>
<td>60 minutes</td>
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<tr>
<td>Evidence based care of CAD and ACS</td>
<td>60 minutes</td>
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<tr>
<td>Care of the patient undergoing Coronary Catheterization and Angioplasty</td>
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<tr>
<td>Care of the patient undergoing Coronary Artery Bypass Graft: postop management</td>
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<tr>
<td>Evidence based care of Dyslipidemia</td>
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<tr>
<td>Evidence based care of Hypertension</td>
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<tr>
<th>Module Four: Management of Patients with Cardiomyopathies</th>
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<tbody>
<tr>
<td>Evidence based care of Valvular Disease: Mitral and Aortic</td>
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Continuing Medical Education Office

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<tr>
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<tbody>
<tr>
<td>Valvuloplasty and Replacement: Nursing Management</td>
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<tr>
<td>Differentials of Dyspnea</td>
<td>60 minutes</td>
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<tr>
<td>Evidence based care of Heart Failure</td>
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**Module Five: Management of Patients with Infectious Heart Disease**

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<tr>
<th>Condition</th>
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<tbody>
<tr>
<td>Endocarditis</td>
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<tr>
<td>Myocarditis</td>
<td>30 minutes</td>
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<tr>
<td>Pericarditis</td>
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**Cardiovascular Case Studies**

<table>
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<th>Condition</th>
<th>Duration</th>
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<tbody>
<tr>
<td>Cardiogenic Shock</td>
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<tr>
<td>Cardiac Arrest</td>
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<tr>
<td>Pericardial Effusion and Cardiac Tamponade</td>
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30. **Others**

<table>
<thead>
<tr>
<th>Title</th>
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<tbody>
<tr>
<td>Medicine</td>
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<tr>
<td>Business for MDs</td>
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<tr>
<td>Multidisciplinary</td>
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<tr>
<td>HR Management</td>
<td>5</td>
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<tr>
<td>CPHQ</td>
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<tr>
<td>Risk Management</td>
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<tr>
<td>Accreditation</td>
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<tr>
<td>Health Care Informatics</td>
<td>4</td>
</tr>
<tr>
<td>Patient’s relations</td>
<td>3</td>
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<tr>
<td>Evidence-Based Healthcare Management</td>
<td>3</td>
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