

SHALAMAR TRAUMA SUPPORT MODULE

Talat Waseem

INTEGRATED CURRICULUM

Shalamar Trauma Support Module is intended for educating medical graduates here at Shalamar Medical & Dental College, Lahore with objective of training them for the managing trauma patients in surgical emergency.

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Shalamar Medical & Dental College,
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Shalamar Trauma Support Module (STSM)

Study Guide

M.B; B. S Final Year 2023-24

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Shalamar Trauma Support Module

Placement in Curriculum	Year 5 Module		
Module Code			
Module Duration	1.5 Days		
Pre-requisite	Moodle Based Lecture Attendance and Passing of the Module		
Module Team			
Chairman Curriculum Committee	Dr Khalid Cheema Head of Committee		
Module Director	Dr Talat Waseem FRCS England		
Module Coordinator	Prof M Mubeen, Prof Tauseef Asghar Prof Hammad Naeem Rana		
Academic Team			
Dept General Surgery	Prof Humad Naeem Prof Tauseef Asghar Dr Rizwan A Khan Prof Maaz ul Hasan Dr Talat Waseem Dr Ahsan Shafiq Dr Tatheer Abbas	Dept of Anesthesia & ENT	Prof M. Mubeen Dr Muhammad Aamir Dr Amir Bashir Dr Itrat Kazmi Dr Saeed Gohar/ Dr Arshad Ullah Afridi
		Dept of Orthopedics	Dr Muhammad Saleem Dr M Usman/M Ali/ Faisal Karim
Department of Urology	Dr Irfan Nazir	Department of Ophthalmology	Dr Muna Ahmad
Department of Neurosurgery	Prof. Tariq Salahuddin / Dr M Aqeel Natt	Department of Cardiothoracic Surgery	Dr Ahsan Rasheed

1. INTRODUCTION/ RATIONALE/ LEARNING OUTCOMES

INTRODUCTION

In response to the evolving landscape of medical education and the increasing demand for comprehensive clinical training, Shalamar Medical and Dental College, Lahore, is proud to introduce the Shalamar Trauma Support Module (STSM). This innovative course is specifically designed for final-year medical graduates, aiming to bridge critical gaps in trauma care education, enhance clinical skills, and contribute to the holistic development of our future healthcare professionals.

Rationale:

The field of medicine is dynamic and requires practitioners to be adept in handling diverse clinical scenarios. Trauma, being a significant contributor to morbidity and mortality, demands a specialized skill set that goes beyond the traditional medical curriculum. Recognizing this imperative, STSM is strategically crafted to provide a focused and hands-on learning experience in trauma management.

Justification:

1. **Clinical Relevance:** STSM addresses the pressing need for specialized trauma training, ensuring that our medical graduates are well-prepared to handle trauma cases with competence and confidence.
2. **Comprehensive Education:** The course covers a spectrum of trauma-related topics, from initial assessment to intervention, equipping students with a robust understanding of trauma care principles.
3. **Interdisciplinary Approach:** STSM promotes interdisciplinary collaboration, fostering communication and teamwork essential in trauma scenarios. Students will gain insights into the roles of various healthcare professionals involved in trauma care.
4. **Practical Application:** Through simulation exercises, case studies, and hands-on training, STSM emphasizes practical application, enabling students to translate theoretical knowledge into clinical proficiency.

Impact on Teaching and Learning:

1. **Enhanced Clinical Skills:** STSM contributes to the development of practical skills crucial for effective trauma management, enhancing the overall clinical competency of our medical graduates.
2. **Improved Confidence:** Exposure to realistic trauma scenarios and guided training cultivates confidence, ensuring that graduates are prepared to handle challenging situations in their professional careers.
3. **Career Readiness:** By integrating trauma care into the curriculum, STSM ensures that our graduates enter the workforce as well-rounded professionals, ready to make a positive impact in emergency medicine and related specialties.
4. **Aligning with Global Standards:** The introduction of STSM aligns Shalamar Medical and Dental College with international standards in medical education, emphasizing our commitment to producing healthcare professionals of the highest caliber.

In conclusion, the Shalamar Trauma Support Module represents a significant stride toward enhancing the quality of medical education at Shalamar Medical and Dental College. By providing a specialized focus on trauma care, we are not only preparing our students for the challenges of the healthcare landscape but also reinforcing our commitment to excellence in medical education and patient care.

RATIONALE

The objective of this program is to educate and train our medical students for patients presenting with trauma in surgical emergency.

LEARNING OUTCOMES

At the end of module the students would be able to:

KNOWLEDGE

Understand and apply knowledge pertaining to patients having various forms of trauma and devise a management plan. The knowledge would be transferred at least at C1 to C3 level.

SKILLS

Apply and practice various techniques required for management of a patient with trauma in form of mannequins and wet stations.

ATTITUDE

Effectively communicate with the patients and attendants regarding the problems faced by the patient and regarding the management plan. The participants would be able to demonstrate professionalism, effective communication skills and team building spirit.

2. CONTENTS/ THEME, LEARNING AND ASSESMENT STRATEGY

Topic/ Theme	Discipline	Learning Objectives	Learning Strategy/ MIT	Assess Strategy
COGNITIVE COMPONENT				
'STSM rocks' <i>Shalamar Trauma Life Support Program Overview</i>	General Surgery	By the end of this session, the participants should be able to: <ul style="list-style-type: none"> Describe the need and objectives of the trauma support program. 	Interactive Lecture	Summative MCQs

		<ul style="list-style-type: none"> Describe the overview of the STSP. 		
'Bomb Blast on Shalamar Link road' <i>Triage</i>	General Surgery	<ul style="list-style-type: none"> Describe the need and process of triage To understand and apply the techniques of triage in various scenarios. 	Interactive Lecture SBL, CBL	Summative MCQs
'Ahmad has motor bike accident' <i>Primary Survey</i>	General Surgery	<ul style="list-style-type: none"> Understand the primary survey and its components Apply the concepts of primary survey in various clinical scenarios. 	SBL, CBL	Summative MCQs
'Ahmad in Emergency' <i>Secondary Survey</i>	General Surgery	<ul style="list-style-type: none"> Understand the primary survey and its components Apply the concepts of primary survey in various clinical scenarios. 	SBL, CBL	Summative MCQs
'Ahmad transferred to ICU' <i>Re-evaluation, Transfer & Definitive Care</i>	General Surgery	<ul style="list-style-type: none"> To understand the value and application of re-evaluation during the management of trauma patient. To understand and apply the concepts of safe transfer of the patient among various facilities. To understand and apply the principles of definitive care and their role in trauma management. 	Interactive Lecture SBL, CBL	Summative MCQs
'Ahmad is not breathing' <i>Assessment & Management of Airway</i>	Anesthesia	<ul style="list-style-type: none"> To understand and apply the knowledge related to airway assessment and management. To apply the differential use of various airway options during variable clinical scenarios. 	Interactive Lecture SBL, CBL	Summative MCQs

'Ahmad is not breathing' Assessment & Management of Ventilation	Anesthesia	<ul style="list-style-type: none"> Understand the role of supplemental oxygenation and mechanical ventilation. To understand and apply various forms of mechanical ventilation and their differential role in various clinical scenarios. 	SBL, CBL	Summative MCQs
' Ahmad is in Shock' <i>Pathophysiology of Shock</i>	Anesthesia	<ul style="list-style-type: none"> Understand application of pathophysiology with reference to various clinical situations 	Interactive Lecture	Summative MCQs
<i>Types of Shock</i>	Anesthesia	<ul style="list-style-type: none"> Understand various types of shock and their differentiation on grounds of clinical and lab grounds. 	Interactive Lecture	Summative MCQs
'Dr Farhan Manages Ahmad' <i>Assessment & Management of Shock-Resuscitation</i>	Anesthesia	<ul style="list-style-type: none"> Understand and apply the clinical examination for the assessment and management of shock. To know the techniques of resuscitation and their value and utility in various clinical situations. 	SBL, CBL	Summative MCQs
Introduction to Thoracic Trauma	Thoracic Surgery	<ul style="list-style-type: none"> Understand and describe various forms of the Thoracic trauma and their role in overall outcome of the trauma patient. 	Interactive Lecture	Summative MCQs
'Ahmad is hit by a cart bamboo' <i>Potential Life threatening injuries- primary Survey & Secondary survey</i>	Thoracic Surgery	<ul style="list-style-type: none"> To understand various forms of chest injuries including Pneumothorax, Hemothorax, cardiac tamponade, rib fractures, flail chest and their management. 	SBL, CBL	Summative MCQs
Introduction to Abdominal Trauma	General Surgery	<ul style="list-style-type: none"> Understand the mechanism of the abdominal and various forms of abdominal injuries. 	Interactive Lecture	Summative MCQs

‘ Ahmad cries with abdominal pain and fullness’ <i>Assessment Abdominal Trauma</i>	General surgery	<ul style="list-style-type: none"> Understand apply clinical assessment and assessment through FAST, DPL in the management of the abdominal trauma 	SBL, CBL	Summative MCQs
‘ Surgeon Dr Faisal manages Ahmad in OT’ <i>Management Abdominal Trauma</i>	General Surgery	<ul style="list-style-type: none"> Understand and differentially utilize various techniques to manage abdominal solid organ and other abdominal organ injuries. 	Interactive Lecture SBL, CBL	Summative MCQs
‘ Ahmad is in shock with bruising on hips’ <i>Pelvic Trauma</i>	General Surgery Orthopedics	<ul style="list-style-type: none"> Understand various pelvic fractures and their respective management. Understand various genitourinary and rectal injuries associated with pelvic trauma and their management. 	Interactive Lecture	Summative MCQs
‘ Saleem’s head is hit by a cricket ball’ <i>Head Trauma- Assessment & Management</i>	Neurosurgery	<ul style="list-style-type: none"> Understand and apply knowledge about head injury according to Glasgow coma scale and the respective management. 	Interactive Lecture SBL, CBL	Summative MCQs
‘ The jockey falls from horse’ <i>Spinal Cord Injuries- Assessment & Management</i>	Neurosurgery	<ul style="list-style-type: none"> Understand various types and levels of the spinal injuries, their respective management Application of immobilization and log rolling. 	Interactive Lecture SBL, CBL	Summative MCQs
‘Ahmad’s leg is bruised’ <i>Extremity Trauma</i>	Orthopedics	<ul style="list-style-type: none"> Understand and apply concepts of the extremity injuries and their management. 	Interactive Lecture SBL, CBL	Summative MCQs
‘ Factory burns’ <i>Thermal Injuries</i>	General Surgery	<ul style="list-style-type: none"> To understand and application of the knowledge to assess and manage scalds, burns and 	Interactive Lecture SBL, CBL	Summative MCQs

' Neonate falls from the bed' <i>Pediatric Trauma</i>	General Surgery	<ul style="list-style-type: none"> To understand the principles of the pediatric trauma and its variations in primary and secondary survey in various clinical situations of the pediatrics. 	Interactive Lecture	Summative MCQs
'Father falls in washroom' <i>Geriatric Trauma</i>	General Surgery	<ul style="list-style-type: none"> Understand the principles of the geriatric trauma and its variations in primary and secondary survey in various clinical situations of the old surgical patients. 	Interactive Lecture	Summative MCQs
' Pregnant Afshseen is hit in a car accident' <i>Trauma During Pregnancy</i>	General Surgery	<ul style="list-style-type: none"> Understand the principles of the trauma management during pregnancy and its variations in primary and secondary survey. 	Interactive Lecture	Summative MCQs
PSYCHOMOTOR COMPONENT				
' Ahmad is brought in Emergency' Primary Survey Skill Station	General Surgery	<ul style="list-style-type: none"> Assess and manage patient with a life threatening injury on a mannequin 	Demonstration/ Practice	Formative DOPS, OMP
Secondary Survey Skill Station	General Surgery	<ul style="list-style-type: none"> Assess and manage patient according to secondary survey protocols on a clinical scenario involving a mannequin. 	Demonstration/ Practice	Formative DOPS, OMP
'Ahmad is breathless' Management of Airway with Oropharyngeal Airway, Nasopharyngeal Airway, LMA, Endotracheal intubation- Skill Station	Anesthesia	<ul style="list-style-type: none"> Assess and manage airway in different clinical scenarios through various techniques on a mannequin. 	Demonstration/ Practice	Formative DOPS, OMP

' Ahmad is in shock' Resuscitation Skill Station	Anesthesia	<ul style="list-style-type: none"> Assess and manage shock on a mannequin in various clinical scenarios. 	Demonstration/ Practice	Formative DOPS, OMP
'Ahmad is hit in chest' Chest Trauma Skill Station- Needle Thoracentesis, Chest Intubation, Pericardiocentesis	General Surgery	<ul style="list-style-type: none"> Learning to perform needle thoracentesis, chest intubation and pericardiocentesis on mannequin mimicking a specific clinical scenario. 	Demonstration/ Practice	Formative DOPS, OMP
' Cricket ball hits jamshaid's head' Head & Neck Trauma Station- Neurological Assessment	Neurosurgery	<ul style="list-style-type: none"> Assess and manage head injury according to Glasgow Coma Scale in simulated patients, their assessment and management. 	Demonstration/ Practice	Formative DOPS, OMP
' Look at this X-ray' Head & Neck Trauma- Radiological Perspective	Neurosurgery	<ul style="list-style-type: none"> Assess various x-rays and CT scans of the head and neck and spinal trauma and diagnose and suggest management plan for the disorders. 	Demonstration/ Practice	Formative DOPS, OMP
' I can't move my leg' Extremity Trauma Station- Examination, Immobilization, Application of Traction Splint	Orthopedics	<ul style="list-style-type: none"> Perform clinical examination of extremities to identify the injuries Perform Immobilization and use of traction splint. 	Demonstration/ Practice	Formative DOPS, OMP
AFFECTIVE COMPONENT				
' There is chaos in Emergency' Communication and Professionalism in Trauma Team	General Surgery	<ul style="list-style-type: none"> Learn to affectively participate as a trauma team member and communication among the members through demonstrated behavior of professionalism. 	Interactive Lecture	Summative MCQs

3. TIME TABLE / SCHEDULE

The course is a hybrid course which is conducted through SeLMS and the in-person sessions. The students are required to complete an online module comprising of an online activity followed by a 2-day long hands on activity, culminating with a certification.

TIME TABLE (Pre-recorded Lectures to be available on SeLMS)					
Date	Time	Discipline	Content/ Theme	Faculty	Location
DAY 1 (through Moodle- SeLMS)					
December 11, 2023- Onwards till Hands on Session	8:00-8:15 am	General Surgery	'STSM rocks!' Shalamar Trauma Life Support Program Overview	Dr Talat Waseem	SeLMS
	8:15-8:45 am	General Surgery	'Bomb Blast on Shalamar Link road' Triage	Dr Hammad Naeem Rana	
	8:45- 10:30 am	General Surgery	'Ahmad has motor bike accident' Primary Survey	Dr Touseef Asghar	
	11:00- 12:30 pm	General Surgery	'Ahmad is serious in emergency' Secondary Survey	Dr Khalid Cheema	SeLMS
	12:30- 1:00 pm	General Surgery	'Ahmad transferred to ICU' Re-evaluation, Transfer & Definitive Care	Prof M Mubeen	
	1:30-2:00 pm	Anesthesia	' Ahmad is not breathing' Assessment & Management of Airway	Prof M Mubeen	SeLMS
	2:00-2:30 pm	Anesthesia	'Ahmad is not breathing' Assessment & Management of Ventilation	Prof M Mubeen	
	2:30-3:00 pm	Anesthesia	' Ahmad is in Shock' Pathophysiology of Shock	Prof Mubeen	

	3:30-4:30 pm	General Surgery	Types of Shock	Dr Itrat Kazmi	SeLMS
	4:30-5:00 pm	Anesthesia	'Dr Farhan Manages Ahmad' Assessment & Management of Shock-Resuscitation	Dr Itrat Kazmi	
DAY 2 (through Moodle- SeLMS)					
December 12, 2023	8:00-9:00 am	Thoracic Surgery	Introduction to Thoracic Trauma	Dr Shoaib Nabi / Dr Talat Waseem	SeLMS
	9:00-10:00 am	General Surgery	'Ahmad is hit by a cart bamboo' Potential Life threatening injuries- primary Survey & Secondary survey	Dr Khalid Cheema	
	10:30-11:00 am	General Surgery	Introduction to Abdominal Trauma	Dr. Touseef Asghar	SeLMS
	11:00-11:30 am	General Surgery	' Ahmad cries with abdominal pain and fullness' Assessment Abdominal Trauma	Dr Touseef Asghar	
	11:30-12:30 pm	General Surgery	' Surgeon Dr Faisal manages Ahmad in OT' ' Ahmad is in shock with bruising on hips' Management Abdominal Trauma	Dr Touseef Asghar	
	12:30 - 1:00 pm	Neuro Surgery	' Saleem's head is hit by a cricket ball' Head Trauma- Assessment & Management	Prof. Tariq Salahuddin / Dr Aqeel Natt	
	1:00-1:30 pm	Neuro Surgery	' The jockey falls from horse' Spinal Cord Injuries- Assessment & Management	Prof. Tariq Salahuddin / Dr Aqeel Natt	

2:00-3:00 pm	Orthopedics	'Ahmad's leg is bruised' Extremity Trauma	Dr M Saleem / Dr Faisal Karim	SeLMS
3:00-4:00 pm	Plastic Surgery	' Factory burns' Thermal Injuries	Dr Asif Bhatti	
4:00-4:30 pm	Pediatric Surgery	' Neonate falls from the bed' Pediatric Trauma	Prof Nabila Talat/ Dr Sajjad	
4:30-5:00 pm	General Surgery	'Father falls in washroom' Geriatric Trauma	Dr Maaz ul Hasan	
5:00-5:30 pm	General Surgery	' Pregnant Afshseen is hit in a car accident' Trauma During Pregnancy	Dr Tatheer Abbas	
5:30-6:00 pm	Ocular Trauma	"Can't See" Ocular Trauma	Dr Muna Ahmad	
6:00-7:00 pm	Medical Education	' There is chaos in Emergency' Communication and Professionalism in Trauma Team	Dr Khalid Mehmood	
7:00-7:30pm	Urology	Brusing in the Flank Urological Trauma	Dr Irfan Nazir	
7:30-8:00 pm	ENT	Facial Injuries ENT Trauma	Prof Saeed Gohar	

MCQ Assessment through SeLMS
Monday, December 16, 2023 (4:00-5:00 PM)
All students must pass the MCQ Test

TIME TABLE

(Scenario Based In-Person Lecture Wrap Up)
(Only Clinical Scenarios to be discussed in this session)

Date	Time	Discipline	Content/ Theme	Faculty	Location
December 18, 2023	8:00-8:10 am	General Surgery	'ATLS rocks!' Shalamar Trauma Life Support Program Overview	Dr Talat Waseem	College Auditorium
	8:10-8:30 am	General Surgery	'Bomb Blast on Shalamar Link road' Triage	Dr Hammad Naeem Rana	
	8:45-9:15 am	General Surgery	'Ahmad has motor bike accident' Primary Survey	Dr Touseef Asghar	
	9:15-9:45 am	General Surgery	'Ahmad is serious in emergency' Secondary Survey	Dr Khalid Cheema	
	09:45-10:00 am	General Surgery	'Ahmad transferred to ICU' Re-evaluation, Transfer & Definitive Care	Prof M Mubeen	
	10:00-10:30 am	Anesthesia	' Ahmad is not breathing' Assessment & Management of Airway/ Ventilation	Dr M. Aamir	
	10:30-11:00 am	Anesthesia	' Ahmad is in Shock' Pathophysiology of Shock	Prof Mubeen	
			Types of Shock	Prof Mubeen	
'Dr Farhan Manages Ahmad' Assessment & Management of Shock-Resuscitation			Prof M Mubeen		
	11:00-11:30 am	Thoracic Surgery	'Ahmad is hit by a cart bamboo' Introduction to Thoracic Trauma	Dr Shoaib Nabi / Dr Talat Waseem	College Auditorium

			Potential Life threatening injuries		
	10:30-11:00 am	General Surgery	‘ Surgeon Dr Faisal manages Ahmad’ ‘ Ahmad is in shock with bruising on hips’ Management Abdominal Trauma	Dr. Touseef Asghar	College Auditorium
	11:00:11:30 am	Orthopedics	‘Ahmad’s leg & Pelvis is bruised’ Pelvic & Extremity Trauma	Dr M Saleem	College Auditorium
BREAK 11:30- 12:30PM					
DAY 1 (December 18, 2023) Skill Exercise (75 Students) at SMDC Tutorial Rooms 12:30-4:00 PM (13 per Batch)					
DAY 2 (December 19, 2023) Skill Exercise (75 Students) at SMDC Tutorial Rooms 12:30-4:00 PM (13 per Batch)					

From 2nd Half of Day 1 onwards the final year students would be divided into 12 batches with every batch comprising 13 students. Each day onward one batch would be circulated among 6 Skill stations. Each station would be of 40 minutes.

SKILL STATION ROTATION

Station 1	Station 2	Station 3
Primary Survey/ Assessment & Management of Airway	Assessment & Management of Breathing (Chest Intubation, Needle Thoracostomy, Cardiac Temponade)	Assessment & Management of Shock
Tutorial Room 1	Tutorial Room 2	Tutorial Room 3
Faculty: Prof Mubeen & Team	Faculty: Prof Hammad & Team	Faculty: Prof Tauseef Asghar & Team
12:00-4:00 pm	12:00-4:00 pm	12:00-4:00 pm
Station 4	Station 5	Station 6
Assessment of Disability GCS/ Neurological Assessment and Log Roll	Extremity Trauma Station- Examination, Immobilization, Application of Traction Splint	Secondary Survey
Tutorial Room 4	Tutorial Out Door Space	Tutorial Out Door Space
Faculty: Dr Ali/ Dr Shahid	Faculty: Prof M Saleem	Faculty: Dr Khalid Cheema
12:00-4:00 pm	12:00-4:00 pm	12:00-4:00 pm

SKILL STATION TIME PLAN

Demonstration of Skill and SGD	10min
Skill Practice	10min
Assessment	10min

4. ASSESSMENT SCHEDULE

The assessment would constitute an MCQ written test followed by assessment on each Skill Station for motor skill assessment.

5. TABLE OF SPECIFICATIONS (HOURS ALLOCATION)

Contents/ Theme	Cognition (Hours)				Skills M1-M3 Skill Lab	Affective A1-A3	Total (Hours)	Perce ntage %
	C1	C2	C3	C4				
	COGNITIVE COMPONENT							
'ATLS rocks'	0.5						0.5	2.43
<i>Shalamar Trauma Life Support Program Overview</i>								
'Bomb Blast on Shalamar Link road'			0.5				0.5	7.31
<i>Triage</i>								
'Ahmad has motor bike accident'			1.5				1.5	7.31
<i>Primary Survey</i>								
'Ahmad in Emergency'			1.5				1.5	
<i>Secondary Survey</i>								
'Ahmad transferred to ICU'		0.5					0.5	2.43
<i>Re-evaluation, Transfer & Definitive Care</i>								
'Ahmad is not breathing'			0.5				0.5	2.43
<i>Assessment & Management of Airway</i>								
'Ahmad is not breathing'			0.5				0.5	2.43
<i>Assessment & Management of Ventilation</i>								

‘ Ahmad is in Shock’	0.5					0.5	2.43
<i>Pathophysiology of Shock</i>							
<i>Types of Shock</i>		1				1	4.87
‘Dr Farhan Manages Ahmad’		0.5				0.5	2.43
<i>Assessment & Management of Shock-Resuscitation</i>							
<i>Introduction to Thoracic Trauma</i>		1				1	4.87
‘Ahmad is hit by a cart bamboo’		1				1	4.87
<i>Potential Life threatening injuries- primary Survey & Secondary survey</i>							
<i>Introduction to Abdominal Trauma</i>		0.5				0.5	2.43
‘ Ahmad cries with abdominal pain and fullness’		0.5				0.5	2.43
<i>Assessment Abdominal Trauma</i>							
‘ Surgeon Dr Faisal manages Ahmad in OT’		1				1	4.87
<i>Management Abdominal Trauma</i>							
‘ Ahmad is in shock with bruising on hips’		1				1	4.87
<i>Pelvic Trauma</i>							
‘ Saleem’s head is hit by a cricket ball’		0.5				0.5	2.43
<i>Head Trauma- Assessment & Management</i>							
‘ The jockey falls from horse’		0.5				0.5	2.43
<i>Spinal Cord Injuries- Assessment & Management</i>							
‘Ahmad’s leg is bruised’		1				1	4.87
<i>Extremity Trauma</i>							
‘ Factory burns’		1				1	4.87
<i>Thermal Injuries</i>							

' Neonate falls from the bed'	0.5					0.5	2.43
<i>Pediatric Trauma</i>							
'Father falls in washroom'	0.5					0.5	2.43
<i>Geriatric Trauma</i>							
' Pregnant Afshseen is hit in a car accident'	0.5					0.5	2.43
<i>Trauma During Pregnancy</i>							
PSYCHOMOTOR COMPONENT							
' Ahmad is brought in Emergency'				0.5		0.5	2.43
Primary Survey Skill Station							
Secondary Survey Skill Station				0.5		0.5	2.43
'Ahmad is breathless'				0.5		0.5	2.43
Management of Airway with Oropharyngeal Airway, Nasopharyngeal Airway, LMA, Endotracheal intubation- Skill Station							
' Ahmad is in shock'				0.5		0.5	2.43
Resuscitation Skill Station							
'Ahmad is hit in chest'				0.5		0.5	2.43
Chest Trauma Skill Station- Needle Thoracentesis, Chest Intubation, Pericardiocentesis							
' Cricket ball hits jamshaid's head'				0.5		0.5	2.43
Head & Neck Trauma Station- Neurological Assessment							
' Look at this X-ray'				0.5		0.5	2.43
Head & Neck Trauma- Radiological Perspective							
' I can't move my leg'				0.5		0.5	2.43
Extremity Trauma Station- Examination, Immobilization, Application of Traction Splint							
AFFECTIVE COMPONENT							

' There is chaos in Emergency' Communication and Professionalism in Trauma Team Total						0.5	0.5	2.43
	0.5	2.5	13.5		4	0.5	20.5	100%

6. RULES & REGULATIONS

This is mandatory course for the year 5 students to provide them with adequate knowledge and skills to manage trauma patients. The students are required to attend the lecture sessions and the skill sessions as per the schedule communicated at the time of course which would be downloadable from the website. The students are required to pass the MCQ test before proceeding to the skill component. The students would get 5 marks in the internal assessment of surgery if they pass the test and go through the skill exercise.

- **ATTEDANCE / ABSCENCE**

All of the Year 5 students are required essentially to attend the course and ensure their presence. In case of certain exceptional circumstances, the student would have to justify the absence with evidence. The module director would have discretion to arrange additional classes in exceptional circumstances.

- **ASSESSMENT FAILURE**

It is mandatory to pass the assessment before awarding the certificate of attendance. In case of failure of the assessment the student would have to reappear in the course without exception.

- **ISSUANCE OF STLSP CERTIFICATE**

The successful students, who pass the exam after attending the course, would be issued certificate of participation and this would be mandatory to appear in the final exam.

REFERENCES:

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Schipper, I. B., & Schep, N. (2017). [ATLS - a pioneer in trauma education; history and effects]. *Nederlands Tijdschrift Voor Geneeskunde*, 161(0), D1569. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/28466801>

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