

UT SOUTHWESTERN DEPARTMENT OF SURGERY

TECHNICAL SKILLS COURSE OUTLINE

Course Title: Advanced Trauma Operative Module (ATOM)

Course Director: Name: Shahid Shafi, MD
Specialty: Surgery

Additional Course Faculty: Name: BTCC Faculty

Participants: Specialty: Surgery
Level: PGY 5
Number of participants for the entire course: 12

Expected Attendance: Total of 12, distributed
1 day course 8.30 am until 4.30pm

Course Completion Verification –

Successfully course completion will be verified by attendance, completion of practical stations and post-test

Self-study or Self-practice (is self-study or self-practice an expectation of this course?)

Yes

Self-study component(s):

Estimated time requirements for self-study: 2 hrs.

During what phase(s) of the course is self-study to be completed? The manual/pre-test will be completed prior to the course

Training Location(s)

Division of Trauma Conference Room and SCIMS practical lab

Equipment/Simulator(s):

Pigs and OR equipment

Other Resources (Textbooks, CD-ROMS, Videos, etc):

CDs, ATOM manual

Educational Scope:

Skills – Yes

Component(s): 1) splenorrhaphy
2) Management of GU injuries
3) Management of Cardiac injuries
4) Management of hepatic and pancreatic injuries

Cognitive: Component(s): Management of complex thoracic and abdominal injuries

Judgement: Exposures/indications for repair vs. resection

Learning Objectives:

- 1.) Understand current techniques in operative management of penetrating injuries
- 2.) Demonstrate the ability to both identify penetrating injuries and develop an operative management plan for these injuries
- 3.) Gain technical experience in the operative management of penetrating trauma in a porcine model
- 4.) Demonstrate the ability to perform rapid, focused trauma surgery

Summary of Curriculum, Teaching Methods, and Resource Utilization:

Powerpoint course lectures in am
Direct one on one practical teaching during pig lab.
There will be one faculty instructor for each student during the pig lab.

Methods for giving feedback to learners (Formative and Summative):

Direct instructor feedback

Methods for Assessment of Learners:

Direct instructor feedback at practical stations
Instructor evaluation of trainee throughout the practical lab
Instructor completes online assessment of trainee

Methods of Remediation:

Retake the online portion of the test
Due to cost and time considerations, there will not be any practical make-up sessions

Methods of Course Evaluation:

By Learners: Trainee completes online post-test and course evaluation through ATOM website
By Faculty: Evaluation of trainee on online ATOM evaluation system

Trainee will receive certificate of having completed the ATOM course at the end of the complete evaluation

Materials:

PIG lab – pigs, instruments, disposables

Course CDs

Course Books

Refreshments during coffee break

Lunch will be taken in the faculty club for trainees and instructors