



OFFICE OF THE PRINCIPAL & DEAN
SUBHARTI MEDICAL COLLEGE
SWAMI VIVEKANAND SUBHARTI UNIVERSITY

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DEPARTMENT OF MICROBIOLOGY Date: 1/6/2017
Lesson Plan

Name of Faculty: DR. RITU KANSAL No. of students: 98
 Topic: Actinomycetes Course: MBRs 2015 Batch
 Type of activity: Lecture Time/ Duration: 55 min
 Material & Methods used: PPT

Recap of Previous session/s: Time Allotted: 3 min
 Rickettsiae contain agents
 cause typhus fever & spotted fever
 Set Induction: Time Allotted: 2 min
 - Important for diagnosis

Specific Learning Objectives: (Must Know) Time Allotted: 3 min
 At the end of the lecture:
 - Students should know the diseases
 caused by Actinomycetes & Nocardia
 - Lab. diagnosis, Mycetoma

Content of Lesson: Time Allotted: 30 min
 - Pathogenesis
 - Epidemiology
 - Laboratory Diagnosis
 - Treatment
 - Mycetoma

Scope of this topic (May and Can Know): Time Allotted: 5 min
 RT-PCR assays gave significant
 improvement in the diagnosis

Summary: Time Allotted: 5 min
 - Actinomycetes are Gram positive filamentous
 bacteria
 - Mycetoma - chronic granulomatous
 disease of subcutaneous & deeper tissues

Feedback/ Buzz/ Assessment: Time Allotted: 5 min
 - Short Questions
 - MCQs

Next Activity: Time Allotted: 2 minutes
 Chlamydia
 obligate intracellular parasite
 Ritu Kansal

[Handwritten signature]

Signature of HoD
 Dr. Nidhi Madan
 MD.
 Prof. & Head
 Department of Microbiology





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DEPARTMENT OF MICROBIOLOGY Date: 02/05/2017
Lesson Plan

Name of Faculty: DR. ANITA PANDEY. No. of students: 86
 Topic: Chlamydia Course: M.B.B.S 2015
 Type of activity: lecture Time/ Duration:
 Material & Methods used: PPT & White board
 Recap of Previous session/s: Atypical Bacteria to enumerate Time Allotted:
 Set Induction: Important organism clinically, diagnosis is often difficult. Time Allotted:
 Specific Learning Objectives: (Must Know) Time Allotted:
 — How it differs from virus.
 — why it is a bacteria
 — Species
 — Disease caused
 Content of Lesson: Lab diagnosis Time Allotted:
 — Introduction: morphology
 — Classification: Genus, Species, serotypes
 — EB & RB difference
 — Life cycle
 — Infections caused, Lab diagnosis.
 Scope of this topic (May and Can Know): Time Allotted:
 — Disease caused by pneumonia
 — psittaci
 — trachomatis
 Summary: Time Allotted:
 — about species
 — Diseases Spectrum
 — Lab Δ
 Feedback/ Buzz/ Assessment: Time Allotted:
 — Feedback / questions and answers
 Next Activity: Time Allotted:
Class test.

Signature of Faculty

Signature of HOD

 Dr. Anita Pandey
 Prof. & Head
 Department of Microbiology





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DEPARTMENT OF MICROBIOLOGY
Lesson Plan

Date: 08/06/2017

Name of Faculty: Dr. Vivek Agwan No. of students: 95
 Topic: General properties of virus Course: M.B.B.S - 2015 Batch
 Type of activity: Lecture Time/ Duration: 9 AM 1 hour
 Material & Methods used: PPT and white board
 Recap of Previous session/s: Bacteriology class test Time Allotted: 1 min.
 Set Induction: Introduction to virology Time Allotted: 2 min
 Specific Learning Objectives: (Must Know) Time Allotted: 3 min
Viruses definition Phases of multiplication Eclipse phase
Differences in Bact/Parasite/fungi/Algae/dia
 Content of Lesson: Viruses Rickettsia Time Allotted: 35 min.
Define viruses, Properties of viruses,
Susceptibility, Resistant, and
Multiplication of virus.
 Scope of this topic (May and Can Know): Time Allotted: 5 min
Different multiplication mechanisms.
 Summary: Time Allotted: 2 min.
General overview
into virology
 Feedback/ Buzz/ Assessment: Time Allotted: 5 min.
Satisfactory
 Next Activity: Time Allotted: 2 min.
Cultivation of viruses.

Signature of Faculty

[Signature]
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Signature of HoD

[Signature]
Dr. Molly Madan
MD.
Prof. & Head
Department of Microbiology





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DEPARTMENT OF MICROBIOLOGY
Lesson Plan

Date: 09/06/2017

Name of Faculty: Dr. vivek Agwan No. of students: 94
 Topic: cultivation of virus Course: M.B.B.S - 2015 Batch
 Type of activity: lecture Time/ Duration: 8 AM 1 Hour
 Material & Methods used: PPT & white board
 Recap of Previous session/s: General properties of viruses Time Allotted: 5 min
 Set Induction: Cultivation of viruses Time Allotted: 1 min
 Specific Learning Objectives: (Must Know) Time Allotted: 2 min
Methods of virus culture Animal inoculation, Egg inoculation, Cell culture
 Content of Lesson: Example of animals used - Diagram of routes of inoculation of embryonated hen's egg and tissue culture methods with examples Time Allotted: 35 min
 Scope of this topic (May and Can Know): Identification of viral growth in cell cultures/Inverted microscope Time Allotted: 3 min
 Summary: Cultivation of viruses Time Allotted: 2 min
 Feedback/ Buzz/ Assessment: Satisfactory Time Allotted: 5 min
 Next Activity: Time Allotted: 2 min

Signature of Faculty

Dr. Agwan

Signature of HoD

f. Madan

MD.
Prof. & Head
Department of Microbiology





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DEPARTMENT OF Microbiology Date: 29/6/17
Lesson Plan

Name of Faculty: Dr. Sanjiv Ananya No. of students: 99

Topic: Virus Host Interaction Course: M.B.B.S.

Type of activity: Lecture Time/ Duration: 1 hour

Material & Methods used: P.P.T & White Board

Recap of Previous session/s: General properties of viruses Time Allotted: 2 min

Set Induction: Virus interacts with host. Result can be studied at two levels Time Allotted: 3 mins
cellular Individual

Specific Learning Objectives: (Must Know) Time Allotted: 5 mins
MC route of viral infection is respiratory.
& Advantage of Live viral vaccine (MMR, OPV)

Content of Lesson: Single Dose Lasting Immunity Natural mass Immunization Time Allotted: 45 mins
Injection route

Scope of this topic (May and Can Know) Time Allotted: 45 mins

- Introduction
- Inclusion bodies
- Routes of Entry
- Incubation period
- Host response
- Lab diagnosis of viruses
- Viral vaccines Advantages & Disadvantages of Live & Killed vaccine

Summary: Host virus interaction. Will indicate whether disease & its complications will occur or not Time Allotted: 2 mins

Feedback/ Buzz/ Assessment: Time Allotted: 1 min

Next Activity: Pox viruses Time Allotted: 2 mins

Signature of Faculty: Ananya

Signature of HOD: for Ananya Madan
 M.D.
 Prof. & Head
 Department of Microbiology





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DEPARTMENT OF microbiology Date: 30/6/2017
Lesson Plan

Name of Faculty: DR. BHASKAR THAKURIA

No. of students: 95

Topic: Pox virus / Adenovirus

Course: M.B.B.S. 2015 batch

Type of activity: Theory class

Time/ Duration: 1 hour

Material & Methods used:

Recap of Previous session/s: Done
viology basics.

Time Allotted: 2 min.

Set Induction: Common properties of viruses.

Time Allotted: 3 mins.

Specific Learning Objectives: (Must Know)
— Pox virus infecting human.
— Adenovirus → disease caused.

Time Allotted: 5 minutes.

Content of Lesson: Pox virus
CA morphology
Vaccinia, Variola
Properties and encyclopaedia
Success and lesson learnt.

Time Allotted: 40 minutes

Scope of this topic (May and Can Know):
Resemblance with
polio eradication.

Time Allotted: 5 mins

Summary: Done

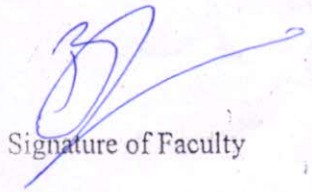
Time Allotted: 2 mins.

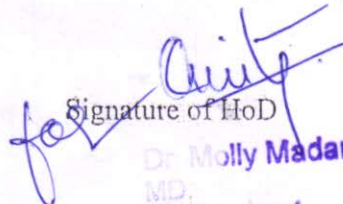
Feedback/ Buzz/ Assessment: Taken.

Time Allotted: 1 min.

Next Activity: Bacteriophage.

Time Allotted: 2 minutes.


 Signature of Faculty


 Signature of HoD
 Dr. Molly Madan
 MD,
 Prof. & Head
 Department of Microbiology





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DEPARTMENT OF Resp. Medicine Date: 5/06/17
Lesson Plan

Name of Faculty: Dr. Paikhar Sharma No. of students: 58

Topic: Drug-Resistant TB Course: MBA

Type of activity: Didactic Lecture Time/ Duration: 60 mnts

Material & Methods used: Power Point Presentation

Recap of Previous session/s: — Time Allotted: —

Set Induction: The magnitude of the problem Time Allotted: 5 mnts

Specific Learning Objectives: (Must Know) Time Allotted: 15 mnts
Recent developments
Causes of drug-resistant TB
Surveillance MDR-TB

Content of Lesson: Time Allotted: 20 mnts
Case finding and definitions
MDR suspect policy
Case definitions
Post-treatment evaluation

Scope of this topic (May and Can Know): Time Allotted: 5 mnts
The cases under of drug resistant
resistant TB are treated by DOTS
and those which prove to be
drug-resistant are diagnosed
by culture.

Summary: Time Allotted: 5 mnts
A brief account in a
nut shell

Feedback/ Buzz/ Assessment: Time Allotted: 5 mnts

Next Activity: Time Allotted: 5 mnts.

Signature of Faculty
Dr. Paikhar

Signature of HoD





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DEPARTMENT OF Resp. Medicine
Lesson Plan

Date: 12/06/17

Name of Faculty: Dr. Prabhakar Sharma No. of students: 44
 Topic: Drug-resistant TB Course: MBA
 Type of activity: Bidactive Lecture Time/ Duration:
 Material & Methods used: Power Point Presentation
 Recap of Previous session/s: How to suspect a case of Drug-Resistant TB Time Allotted: —
 Set Induction: Impact of Drug-Resistant TB and its burden Time Allotted: 5 mnts
 Specific Learning Objectives: (Must Know) Time Allotted: 20 mnts
How to suspect and diagnose a Drug-resistant TB case by culture and direct microscopy methods.
 Content of Lesson: Time Allotted: 15 mnts
Referral of a confirmed DR-TB case to indoor facility
Regimen for DR-TB
Discharge from DR-TB Center
 Scope of this topic (May and Can Know): Time Allotted: 5 mnts
Drug-resistant TB requires more drugs which are less effective and more toxic and duration of treatment is longer.
 Summary: Time Allotted: 5 mnts
A brief account narrated in a nutshell
 Feedback/ Buzz/ Assessment: Time Allotted: 5 mnts
 Next Activity: Time Allotted: 5 mnts

Signature of Faculty
Dr. Prabhakar

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Signature of HOD





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DEPARTMENT OF Obst. & Gynaec. Date: 2-6-17
Lesson Plan

Name of Faculty: Dr. Lalita Yadav No. of students: 20
 Topic: Course: MBBS 2015
 Type of activity: clinical ward posting Time/Duration: 10am - 1pm
 Material & Methods used: interactive & ptn based
 Recap of Previous session/s: antenatal hist & examination Time Allotted: 10m
 Set Induction: antenatal case Time Allotted: 15 min

Specific Learning Objectives: (Must Know) Time Allotted: 45 min
LSCS -> types & indications

Content of Lesson: Time Allotted: 50 min
clin. assessment, mves. & mgmt.

Scope of this topic (May and Can Know): Time Allotted: 30 min
- peer. LSCS -> VBAC & TOLAC

Summary: of above Time Allotted: 10 min

Feedback/ Buzz/ Assessment: satisfactory Time Allotted: 5 min

Next Activity: as per case Time Allotted: 5 min

[Signature]
 Signature of Faculty

[Signature]
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Time Allotted:



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DEPARTMENT OF Obs. & Gynae
Lesson Plan

Date: ~~27-6-17~~
27-6-17

Name of Faculty: Dr. Leelita Yadav No. of students: 15

Topic: AWC c-3 Subpy c per LSCS Course: 2015 MBBS batch

Type of activity: Clinic (Ward Post) Time/Duration: 10am-1pm

Material & Methods used: Interactive, ptn based

Recap of Previous session/s: History taking in AWC patient Time Allotted: 30 min

Set Induction: Terminator wise events & interventions Time Allotted: 15 min

Specific Learning Objectives: (Must Know) Time Allotted: 15 min

Importance of per-LSCS
Indice of LSCS

Content of Lesson: Recurrent / non recurrent / absolute / relative / elective LSCS / Classical C.S. Risks of LSCS delivery Time Allotted: 1 hour

Scope of this topic (May and Can Know): Indications for TORAC and VBAC Time Allotted: 20 min

Summary: Post op management Time Allotted: 10 min

Feedback/ Buzz/ Assessment: Satisfactory Time Allotted: 5 min

Next Activity: as per case Time Allotted: 5 min

Signature of Faculty: Leelita Signature of HoD: Manish





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DEPARTMENT OF Obst & Gynaec Date: 28-6-17
Lesson Plan

Name of Faculty: <u>Dr. Lehta Yadav</u>	No. of students: <u>35</u>
Topic: <u>meche. of Labour Child</u>	Course: <u>M.BBS 2013</u>
Type of activity: <u>Demo</u>	Time/ Duration: <u>2-4pm</u>
Material & Methods used:	
Recap of Previous session/s: <u>Phases of Partu. Onset & stages of Labour</u>	Time Allotted: <u>2hrs 15m</u>
Set Induction: <u>Normal labour, I & II Stage</u>	Time Allotted: <u>15m</u>
Specific Learning Objectives: (Must Know) <u>Events and meche. I Stage</u> <u>Events & meche II Stage</u>	Time Allotted: <u>30m</u>
Content of Lesson: <u>lightening, engagement</u> <u>{ Factors for cervical dilatation }</u> <u>{ Force of in & l. seg review }</u> <u>descent, flexion, int. rotation</u> <u>rowing, restitution, ext. rotation</u> <u>entrapment</u>	Time Allotted: <u>40m</u>
Scope of this topic (May and Can Know): <u>- Bishop score</u> <u>- Clin. assessment of prog. of labour</u>	Time Allotted: <u>10m</u>
Summary: <u>Of above</u>	Time Allotted: <u>5m</u>
Feedback/ Buzz/ Assessment: <u>Satisfactory</u>	Time Allotted: <u>5m</u>
Next Activity: <u>mgmt. of Labour Labour</u>	Time Allotted: <u>2m</u>
Signature of Faculty: <u>[Signature]</u>	Signature of HoD: <u>[Signature]</u>





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DEPARTMENT OF Obs & Gynae.
Lesson Plan

Date: 30-6-19

Name of Faculty: Dr Lehto Yadon No. of students: 15
 Topic: AMC & gestational diabetes Course: MBBS 2015
 Type of activity: Clinic (Ward Postng) Time/ Duration:
 Material & Methods used: Interactive, patient based
 Recap of Previous session/s: History taking in AMC patient Time Allotted: 20min
 Set Induction: Impor. of diet in preg Time Allotted: 15m
 Specific Learning Objectives: (Must Know) Time Allotted: 20min
 - screening tests of ADM
 - monitoring of therapy
 Content of Lesson: Time Allotted: 60min
 - effects on pregnancy
 - effects - fetal/maternal
 Role of diet, nutrition & sugar control
 Scope of this topic (May and Can Know): Time Allotted: 30 min
 - tit of ADM in preg
 - diet chart in ADM
 Summary: Time Allotted: 10min
 of above
 Feedback/ Buzz/ Assessment: satisfactory Time Allotted: 10min
 Next Activity: as per con Time Allotted: 10min

Signature of Faculty
Yadon

Signature of HoD
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DEPARTMENT OF ANAESTHESIOLOGY Date: 01-06-17
Lesson Plan

Name of Faculty: Dr. (Brig.) V.P. Singh No. of students: 23
Topic: Management of Perioperative PVCs Course: MD/DA (Anaesthesiology)
Type of activity: Faculty lecture Time/ Duration: 01 Hour
Material & Methods used: Interactive

Recap of Previous session/s: _____ Time Allotted: _____

Set Induction: Premature Ventricular Contractions (PVC) - Pathophysiology Types - 5 Time Allotted: _____

Specific Learning Objectives: (Must Know) Time Allotted: 10 min
Importance in Anesthesia
Before and perioperative period.

Content of Lesson: _____ Time Allotted: 30 min
Diagnosis
Haemodynamic effects
Underlying causes
management Perioperative

Scope of this topic (May and Can Know): _____ Time Allotted: 10 min
Must ask to diagnose
PVCs and treat them
promptly

Summary: _____ Time Allotted: 5 min
Perp PVC 0.4 mg

Feedback/ Buzz/ Assessment: _____ Time Allotted: _____

Next Activity: _____ Time Allotted: _____

Signature of Faculty

[Signature]

Signature of HoD

[Signature]





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DEPARTMENT OF ANAESTHESIOLOGY Date: 03-06-17
Lesson Plan

Name of Faculty: Dr. Manish Jain No. of students: 22
 Topic: Chronic Pain Syndromes Course: MD/DA (Anaesthesiology)
 Type of activity: Faculty Lecture Time/ Duration: 60 min
 Material & Methods used: Power point presentation
 Recap of Previous session/s: — Time Allotted: —
 Set Induction: Self introduction Time Allotted: 5 min
 Specific Learning Objectives: (Must Know) Time Allotted: 5 min
differentiate b/w Ac. & chronic
Pain & management of chr. Pain
 Content of Lesson: Time Allotted: 30 min
Definition
Classification
Signs
Treatment
 Scope of this topic (May and Can Know): Time Allotted: 5 min
Pain practice
 Summary: Time Allotted: 5 min
summarize all
 Feedback/ Buzz/ Assessment: Time Allotted: 2 min
Q & answer
 Next Activity: Time Allotted: —

Manish Jain
Signature of Faculty 3/6/17

Seetika

[Signature]
Signature of HoD





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DEPARTMENT OF ANAESTHESIOLOGY Date: 06/07/08-06-17

Lesson Plan

Name of Faculty: Dr. Craig. J.V.P. Singh.

No. of students: 09-10

Topic: Basic Life Support course

Course: MD-(Anesthesiology & Pharmacology)

Type of activity: BLS course

Time/ Duration: 06 Hrs.

Material & Methods used:

Recap of Previous session/s:

Time Allotted:

Set Induction: why A&S important in CPR

Time Allotted: 5 min

Specific Learning Objectives: (Must Know)

Time Allotted: 10 min

Diagnosis of CA and BLS in Adults children, infants

Content of Lesson:

Time Allotted: 35 min

- Steps of BLS in OHCA/ IHCA
- High quality CPR
- AHA 2015 Guidelines

Scope of this topic (May and Can Know):

Time Allotted: 5 min

- Application of AED as the BLS and impact of BLS is life saving.

Summary:

Time Allotted: 5 min

Students must know correct technique of BLS/CPR.

Feedback/ Buzz/ Assessment:

Time Allotted:

Next Activity:

Time Allotted:

Signature of Faculty

[Signature]

Signature of HoD

[Signature]





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DEPARTMENT OF ANAESTHESIOLOGY Date: 09-06-17

Lesson Plan

Name of Faculty: Dr. Vaibhav Tiwari..... No. of students: 20 approx.
Topic: Anesthesia at High Altitudes..... Course: MD/DA (Anesthesiology)
Type of activity: Faculty Lecture..... Time/ Duration: 60 min.
Material & Methods used: Power Point Presentation.....
Recap of Previous session/s: Time Allotted: 5 min.

Set Induction: Problems at high altitudes in anesthesia Time Allotted: 5 min.

Specific Learning Objectives: (Must Know) Time Allotted: 10 min.

Organ changes (physiology) at high altitude and anesthetic considerations

Content of Lesson: Time Allotted: 80 min.

Problems at high altitude and complications regarding that. One must know post operative management.

Scope of this topic (May and Can Know): Time Allotted: 5 min.

In war & disaster time anesthetist has a great importance due to their dealing with life saving & limb saving conditions.

Summary: Time Allotted: 5 min.

In emergency situation at high altitude anesthetist has to work in adverse situations, so one has a great knowledge about it.

Feedback/ Buzz/ Assessment: Time Allotted:

Next Activity: Time Allotted:

Vaibhav Tiwari
Signature of Faculty
09/06/17

[Signature]

[Signature]
Signature of HoD





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DEPARTMENT OF ANAESTHESIOLOGY Date: 13-06-17
Lesson Plan

Name of Faculty: Dr. Selony Agarwal No. of students: 15
 Topic: Anaesthesia in Remote Locations Course: MD/D.A. (Anaesthesiology)
 Type of activity: Faculty Lecture Time/ Duration: 01 Hour
 Material & Methods used: Power Point Presentation

Recap of Previous session/s: levels of sedations Time Allotted: 5 min.

Set Induction: NORA
QBA Time Allotted: 15 min.

How will provide sedation at remote places

Specific Learning Objectives: (Must Know) Time Allotted: 30 min

- Airway management at remote places
- maintenance of sedation at NORA
- Prerequisite of NORA. Check list of equipments / drugs.

Content of Lesson: Time Allotted: 10 min.

- Anesthesia in MRI suite/Radiology
- ECT anesthesia
- Anesthesia in dentistry,
- ESWL, Endoscopy room, ICU sedation
- tracheostomy.

Scope of this topic (May and Can Know): Time Allotted: 15 min.

as newer modalities in radiology are upcoming there is rising trend of anesthesia outside of operating room at remote places.

Summary: Time Allotted: 05 min

One must have clear concept of Non operative room anesthesia & method how to provide it
message that location may change but standard of anesthesia care can not.

Feedback/ Buzz/ Assessment: Time Allotted:

Next Activity: Time Allotted:

Signature of Faculty

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[Signature]
 Signature of HoD

[Signature]



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SUBHARTI MEDICAL COLLEGE
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DEPARTMENT OF ANAESTHESIOLOGY Date: 16-06-17
Lesson Plan

Name of Faculty: Dr. Mahesh Nayyar No. of students: 27
 Topic: which case in PAC to refer to, how do refer to Course: MD/DA (Anaesthesiology)
 Type of activity: Faculty lecture other Dept Time/ Duration: 60 min
 Material & Methods used: P.P.T.

Recap of Previous session/s: — Time Allotted:

Set Induction: what is PAC, why PAC was started, importance of it Time Allotted: 05 minutes

Specific Learning Objectives: (Must Know) Time Allotted:
 • Need for PAC 15 mins
 • How PAC helps to various state holders intraoperatively
 • How PAC is helpful in postop. & follow up

Content of Lesson: Basic Protocols of Ac Time Allotted:
 - History (incl. past experience & family history) 30 mins
 - Examination
 - H/o Allergy (included Latex)
 - Lab & other Tests needed.
 - How to be specific about referrals

Scope of this topic (May and Can Know): Time Allotted: 05 min
 How proper PAC, can reduce time (wait)
 - Cost effectiveness
 - Unnecessary expenditure & exposure can be avoided

Summary: Time Allotted:
 Need of PAC, How it helps to all stakeholders
 Proper referral & Lab. Tests protocols are the need of modern anaesthesia practice

Feedback/ Buzz/ Assessment: Time Allotted: — 05 min

Next Activity: Time Allotted:

Signature of Faculty

Signature of HoD

