

SURG OSCE STATIONS

Date: _____

Surgery asces

25th May 2018

ENT station

Tracheostomy: Indications (6)

- Complications (20mks)
- Types of Tracheostomies
- Post op care of Tracheostomies

Ophthalmology station

- Picture of Eye with Bitot spots: Vit A Deficiency
- Management:

⊙ Orbital Trauma: Describe

Management:

⊙ Corneal ulceration

Anaesthesia station

- Identification of spinal needle, Central Line
- Classify and give Examples
- Give the dosage of Lidocaine with & without Adrenaline
- Complications of spinal Anaesthesia
- Layers passed during spinal Anaesthesia

Date: 25th May 2018

Ortho station

- ✓ Identification of implants: Kuntzcher Nail, compression plate with screws, Screw
- ✓ How to size the Kuntzcher Nail
- ✓ Indications of Kuntzcher Nail.
- ✓ " " " Compression plate
- ✓ " " " Screw
- ✓ Types of Threads on screw.
- ✓ Advantages of K-Nail over plate

Ortho station

- Supracondylar fracture with K wires on X-ray.
- Procedure done?
- Is Reduction Adequate?
- Justify
- When do you know the Fracture has healed?
- Give clinical and Radiological features.
- What is the alternative to the K-wire.
- Complications of the Supracondylar Fracture.

25th May 2018

Surgery Station

Consent taking in a patient going for Hernia repair

Surgery Station

- Hx taking in Acute Abdomen patient.
- Diagnosis plus Differential Diagnosis
- Management.
- Alvarado score components

Surgery Station

- ✓ General examination of a post-op patient
- Measure Temp, BP, RR, Pulse
- Give causes of Tachycardia & Tachypnoea in a post-op patient.
- Care of a post-op patient.

Surgery Station

- ✓ Describe X-ray of intestinal obstruction
- ✓ Diagnosis then DDX.
- ✓ Describe initial management.

Ortho Station

- Describe Mid-shaft fracture of femur on X-ray.
- Give causes of the injury.
- Definitive Management.
- Complications of this injury.

9 ANAESTHESIA

1 Equipment : label and Functions / indications

- ✓ Luedels
- ✓ Endotracheal tube
- ✓ Laryngoscope
- Foley's catheter
- Breathing system
- Spinal anaesthesia giving set
- Cylinders and colour code
- Suction catheter
- Ng tube
- Sala line
- Infusion pump
- Blood giving set
- LMA
- Nasal prongs
- Ambu bag
- Mask
- ventilator
- vapouriser
- ✓ OPA
- NPA

2 Drugs (anaesthetic agents) : lidocaine / Bupivacaine

- Ketamine
- Propofol
- NO
- NMBA
- Reversal

✓ 3 Ice admission protocol, Brain protection stages of anaesthesia

✓ 4 Central venous catheterization : Procedure, indications, complication

-5 Resuscitation : CPR, reversal of anaesthesia

✓ 6 Endotracheal intubation : Procedure, indications, complications, contraindications
How to confirm the tube is not in stomach

8 ORTHOPAEDICS : CTS, CS, OA,

Interpreting x-rays of fractures/tumor

✓ Hand examination

✓ Back pain

✓ Club - foot

✓ OUPPE Perthes

✓ DDH

Joint Exam : Hip, Shoulder, Knee

Joint Pain Hx

Ankle pain Hx

Needle stick Injury Hx

✓ Spinal injury : Hx, exam, Mx

✓ POP : Parts, indications, complication, Procedure

Traction : Parts, indications, complication, Procedure

Ex-Fix : "

Back slab, splint

✓ Osteogenic sarcoma : xray findings, Mx

Osteomyelitis / septic arthritis / post

Salter Harris #s

Painful feet

Painful hip

management

Surgery OSCE Revision

Group 1/2

Anaesthesia

Intubation : Ensuring in the lungs & not stomach.

Laryngoscope

Bagmask ventilation

~~Equipment~~ Equipment + Function :
Guedels, ett, laryngoscope
Foley's catheter, sod
ventilator suction catheter
Breathing system, POP
gypsumium, nasal prongs
NAT, infusion pump, filter
blood giving set, spinal
urine giving set
Vaporiser, soda lime

ENT

Tracheostomy

ADTH : indication of Sx

Otology

Otitis media

New mass - ^{DOx} - Mx

Epistaxis

Eye trauma

ADTH

acute appendicitis Hx

Breast exam ddx Ix

Cleft lip + palate type & complications

Hx t-bp, red flags, superficial

Test near point of vision ^{superficial} + profunda, median, ulnar,

CTS

Osteoarthritis, read xray findings, dx, non-pharmco Mx

ENT case on cupbath

Cornwell ca colon

exam left lower limb, ddx of dvt, Ix

Breast exam

Topics

UGIB

Obst. J'

Post/preop Mx

ARM

Chest tube

PAD

Aneurysms

CVC

Consent

club foot

* CRC

10 Paeds surgery

- 1 Omphalocele
- 2 Anoschisis
- 3 Congenital hypertrophic pyloric stenosis
- ✓ 4 Cleft lip / palate : Type, complications, Mx
- 5 TEF : Types, complications, Mx
- ✓ 6 ARM
- 7 Hirschsprungs disease
- 8 Intussusception

9 Surg procedures

- 1 Urinary catheterization
- 2 NG tube insertion
- 3 IV cannulation
- 4 Sutures
- 5 Scrubbing for theatre
- ✓ 6 Chesttube insertion

2 first

5 Surg examination

- ✓ 1 Thyroid
- ✓ 2 Breast
- 3 ulcer / wound care
- ✓ 4 Hemis
- ✓ 5 Appendicitis x
- ✓ 6 Anus
- 7 Peripheral arterial disease x

6 Result interpretation

- ✓ 1 BGA / U&ECs
- 2 CXR
- 3 AXR
- ca oesophagus
to stomach
- ✓ BPH
- Nodulus
- ✓ Hematuria (hx)

4 Surg Histories

- ✓ 1 Obstructive ^{irritative} _{uropathy}
- ✓ 2 Jaundice
- 3 hemoptysis / hematemesis
- ✓ 4 Abdominal pain
- 5 Abdominal distention
- 6 Dysphagia Thyroid
- 7 weight loss
- 8 Rectal bleeding ✓

7 Surg communication skills

- ✓ 1 Breaking bad news
- 2 Explain procedure / Informed consent
- 3 Explain medication
- 4 Hand over, ~~Deliberate~~ angry pmt, Post ms med non-compliance

NEURO SURG

- 1 CT Head interpretation
- 2 Head Injury
- 3 Crinial tumors

1 ENT

- ✓ 1 Tracheostomy : Indications, define, indications, complications
- ✓ 2 ATH & indications for Sx
- 3 Otolary : Ear exam, identify paprom + describe
- 4 Otitis media : classification & chronic OM
- ✓ 5 Neck mass : DDx, Ix & Mx
- 6 Epistaxis

2 Ophthalmology

- ✓ 1 Eye trauma : Hx / Exam / Mx complications
- 2 Orbital cellulitis
- ✓ 3 Tumors : RB / orbital
- ✓ 4 Cornea ulcers / opacities
- 5 Retinal detachment
- 6 Glaucoma
- 7 Red eye
- 8 Trachoma
- 9 Cataracts
- 10

Crash course : 7-12 am

- ✓ Ophthalmology - Eye trauma, AB, Orbital cellulitis, corneal abrasion, Eye exam, Squint
- ✓ ENT - Neck mass, Epistaxis
- ✓ ANAES - Drugs, Preop, post op, spinal anaes, Jungle Jinx, IV cannulate
- ORTHO - Septic arthritis, amputation, dist foot, trauma, ex fix, safe, hip/shoulder ex
- UWAG - Comm skill, Hx, Exam, Procedures
 - Thyroid, wound care, hydrocephalus, ECF, Detachment

Videos to watch : Suprapubic catheterization
 Hip exam
 Shoulder exam
 Suturing : reef knot

insert spinal needle with pencil point stylet, once LF is passed, remove stylet, advance slowly to epidural space
 lumbar spine well flexed
 that enters (L4), L5 (L5/S1)

Spinal Anaes : Procedure : IV, preind 500ml NS, Position, hip/knee flex

Indications : CS, Perineal ex, inguinal herniorrhaphy, lower extremities
 Contraindications : CNS, CVS, systemic : infection, disease, shock, anaemia, etc
 Complications : HNTN, spinal block, cauda equina, exacerbating pre-existing disease
 Punctured anaes, some spinal block

Neck mass

Hx : Nose, duration, Progression
 Assoc Features : Fever, wt loss, Cerv lymphadenopathy
 Social : alcohol, smoking

diagnosis : V/A, Papst, AC, Exam, external
 Topical : AB, steroids, NSAIDs, cyclosporine, telmisartan → immune

Branchial cyst Exam : size, location, skin ds, consistency, mobility, tenderness, temp

Thyroglossal
 Lymph nodes
 Cereoid body
 Thyroid

Epistaxis : Hx : amount, site, duration, rec, Post nasal dripping
 Assoc : Fever, swelling, DIB, Ulcers
 Compli : Anaemia
 Comorbidity : HTN, blood ds, liver ds, Fhx
 Drugs : NSAIDs, warfarin
 Other symptoms : wt loss, FB, nose p " " " AC
 JMOX, occupation

Exam : I

Mx : ABCs
 Packing - ant, post, ballast, irrig from Foley, etc

Sat / Sun

OSCE BOOK : Surg / ortho history
Surg / ortho Exam
Procedures
Comm. skills

✓ ORTHO

PAEDS SURG : TEF, hirschprung, intussusception, pyloric stenosis, omph / gastro

✓ ANAES : spinal anaes, strages, neurol, Preop, Post op, Surgical Site, Drugs - ^{propofol} ketamine - ^{induce}

✓ OPHTHALMO

✓ ENT

RESULTS Interpretation : X-ray of bones

Abdominal Xray : IO, CRC, Volvulus, Intussusception

Head CT : brain edema, midline shift, hematomas -
Xray : depressed skull #,
TEF
TOF - boot shaped heart

Abdominal CT

History

Examinations

Procedures

oscopy

Hematemesis ✓ : Rockall score, Child

Hemoptysis ✓

Rectal bleeding ✓

Thyroid

Abdominal distension ✓

Abdominal pain ✓

Dysphagia ✓

Pre-op Assessment ✓

Weight loss ✓

Joint pain ✓

Needle stick injury ✓

⊠ Ankle swelling ✓

Ortho

Hx Joint Pain : Hip

Ex Joint Hip / Shoulder

Mx Septic arthritis / sepsis / JOPE

Px Traction / amputation / Ex Fix

Joint Exam: hip ✓
^{shoulder}

Breast Exam: ^{breast} ✓
Confirming death ✓
wound care
ECF

Comm. skills

~~Explant procedure~~

Angry patient ✓

Non-compliance ✓

Post-mortem consent

Post-MI medication

~~Hand - ~~del~~~~

Burns

Syringing

Laryngeal CA

Urinary catheter ✓

Nas tube : use, Proc

Suturing : Types "

✓ scrubbing

~~del~~

suprapubic

watch video

LAPAROSCOPIC EQUIPMENT

- 1 Video monitor
- 2 Camera unit
- 3 Connector cables (From camera to monitor)
- 4 Light source - Xenon (Halogen)
- 5 Fibre optic cable for light transmission
- 6 Insufflator - Delivers CO_2 ~~insufflator~~
- 7 CO_2 cylinder - fitted to insufflator
- 8 CO_2 pressure regulator valve
- 9 Tubing for CO_2 to patient
- 10 Suction irrigation apparatus
- 11 Caутery machines with foot control
- 12 Telescope
- 13 Trocars
- 14 Cannulas
- 15 Verres needle

A = Complete: No sensory / motor fxn preserved in S4-S5-

B = Incomplete: sensory, but not motor, fxn preserved below neurologic level & perineals touch S4-S5

C = Incomplete: Motor fxn preserved below neurologic level & ms have power grade ≤ 3

D = Incomplete: Motor fxn preserved below neurologic level & ms have power grade ≥ 3

E = Normal: Sensory & motor fxn (H)

IX: BGA - oxygenation & ventilation

Lactate levels - monitor perfusion status in shock

Hb/Hct levels - blood loss

Urinalysis - assess GUT injury

Plain radiography

CT scan / MRI

IX: Most common injury is C4, C5, C6

Level for paraplegia is T12

ABC & immobilize spine

Tx shock - O₂, fluids, catheter, vasopressors, atropine

Within 8 hrs of injury - methylprednisolone

30 mg/kg bolus over 15 mins, then

infusion 54 mg/kg for 23 hrs, 45 mins after bolus

Tx all other complications & injuries

Complications:

- 1) Neurologic deterioration - esp sensory cephalad
- 2) Pressure sores
- 3) Aspiration - do rib decompressions
- 4) severe sepsis / pneumonia ff tx w/ steroids