



# NCCCSA

National Commission for the Certification of Surgical Assistants

## CERTIFICATION EXAMINATION OUTLINE

### REFERENCES

- “Atlas of Human Anatomy” 2002, 3<sup>rd</sup> Edition, Frank H. Netter, MD, Saunders ISBN 10: 1929007116
- “Alexander’s Care of the Patient in Surgery”, 2003, 12<sup>th</sup> Edition, Mosby ISBN 0323016227
- “Surgical Recall” 1998, 2nd Edition, Dr. L. H. Blackbourne, MD, Lippincott ISBN-10: 0683301020
- “Campbell’s Operative Orthopaedics”, 1987, 7<sup>th</sup> Edition, Mosby ISBN 0801610656
- “Atlas of Surgical Operations”, 2010, 9<sup>th</sup> Edition, Zollinger, (Repair of Indirect Inguinal Hernia), 9<sup>th</sup> Ed. ISBN 0071602267.

All Anatomy Diagrams are directly from the “Atlas of Human Anatomy” Third Edition, by Frank H. Netter, MD.

### ANATOMY DIAGRAMS

- KNEE: POSTERIOR AND SAGITTAL VIEWS plate # 493
- KNEE: ANTERIOR VIEWS plate # 489
- MUSCLES OF HIP AND THIGH: POSTERIOR VIEWS plate # 477
- MUSCLES OF SHOULDER plate # 407
- URETERS plate # 327
- THYROID GLAND: ANTERIOR VIEW plate # 70
- HEART IN SITU plate # 207
- HEART: BASE AND DIAFRAGMATIC SURFACE plate # 210
- PELVIC VISCERA: FEMALE plate # 354

### EXAM CONTENT & SURGERY SPECIALTY PROCEDURE LIST

#### **Asepsis and Microbiology**

#### **Cardiac Surgery**

- i. Pericardiectomy
- ii. C.A.B.G.
- iii. Mitral valve surgery
- iv. Aortic valve replacement
- v. Saphenous vein and radial artery harvesting

#### **ENT Surgery**

- i. Parotidectomy
- ii. Radical neck dissection
- iii. Thyroidectomy

#### **General Surgery**

- i. Abdominal exploration
- ii. Abdominal-perineal resection
- iii. Appendectomy
- iv. Breast surgery
  - a. Breast biopsy
  - b. Simple & modified radical mastectomy
  - c. Radical mastectomy
- v. Gastric surgery
  - a. Diaphragmatic surgery
  - b. Ramstedt pyloromyotomy
  - c. Gallbladder & common duct surgery
- vi. Pancreatic surgery
- vii. Small & large bowel surgery
- viii. Splenectomy/splenorrhaphy



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- ix. Hernia surgery
  - a. Simple inguinal hernia
  - b. Strangulated or recurrent hernia
  - c. Ventral or femoral hernia
- x. Laparoscopic surgery
  - a. Appendectomy
  - b. Cholecystectomy
  - c. Diagnostic Fundoplication
- xi. Thyroidectomy

## **Legal, Ethical & Safety**

## **Medical Terminology**

## **Neurosurgery – Cranial**

- i. Craniotomy
- ii. Craniectomy
- iii. Cranioplasty
- iv. Lumbar, thoracic-lumbar, & cervical sympathectomy
- v. Cerebrospinal fluid shunting procedures
- vi. Nerve transpositions
- vii. Insertion of intra-cranial monitoring devices

## **Obstetrics and Gynecology Surgery**

- i. Cesarean hysterectomy
- ii. Cesarean section
- iii. Ectopic pregnancy laparotomy or laparoscopy
- iv. Hysterectomy
  - a. Vaginal
  - b. Abdominal (total or subtotal)
- v. Myomectomy
- vi. Oophorectomy
- vii. Operative laparoscopy
  - a. Lysis of adhesions
  - b. Laparoscopic assisted vaginal hysterectomy
  - c. Salpingostomy/Salpingectomy
  - d. Myomectomy
  - e. Hysterectomy
  - f. Oophorectomy
- viii. Salpingectomy

## **Orthopedic Surgery**

- i. Amputation
  - a. Upper extremity
  - b. Lower extremity

- ii. Arthroscopic procedures
  - a. Shoulder
  - b. Elbow
  - c. Wrist
  - d. Knee
  - e. Ankle
- iii. Foot & Ankle
  - a. Trimalleolar fracture
  - b. Bimalleolar fracture
  - c. Subtalar dislocation
  - d. Calcaneus fracture
  - e. Fractures of the bones of the foot
- iv. Hand & Wrist
  - a. Forearm fractures (single or both bone)
  - b. Fracture and dislocation of wrist and hand
- v. Hip & Thigh
  - a. Pelvic fractures
  - b. Acetabular fracture of hip
  - c. Femur fractures
- vi. Knee & Lower Leg
  - a. Patellar dislocations with/without fracture
  - b. Tibia fracture
  - c. Tibial plateau fracture
  - d. Fibular fracture
- vii. Shoulder & Elbow
  - a. Clavicle (displaced, non displaced)
  - b. Scapula (displaced, non displaced)
  - c. Shoulder (fracture, dislocation)
  - d. Humeral neck fracture (impacted, displaced)
  - e. Humeral tuberosities separated
  - f. Humerus mid shaft fracture, supracondylar, condylar
  - g. Elbow (fractures, dislocations)
- viii. Soft tissue reconstructive procedures
  - a. Joint
  - b. Tendon
  - c. Ligament
  - d. Nerve
- ix. Spine
  - a. Disc excision
  - b. Laminotomy/Laminectomy
  - c. Fusion with/without instrumentation
- x. Total joint replacement
  - a. Hip
  - b. Shoulder
  - c. Knee



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## ***Plastic Surgery***

- i. Abdominoplasty & repair diastasis
- ii. Blepharoplasty
- iii. Breast augmentation or reduction
- iv. Facelifts (Rhytidectomy)
- v. Hand (soft tissue)
- vi. Microvascular free transfers
- vii. Nerve & tendon (elbow & distal)
- viii. Rhinoplasty
- ix. Skin grafts
  - a. Full-thickness
  - b. Split-thickness
- x. Tissue expansion

## ***Peripheral & Vascular Surgery***

- i. Femoral-popliteal bypass
- ii. Abdominal aortic aneurysm
- iii. Carotid endarterectomy
- iv. A.V. fistula
- v. Vein stripping
- vi. Axilla-femoral bypass graft

## ***Pharmacology***

## ***Physiology - Electrolytes and Volume Replacement***

## ***Physiology – Blood***

## ***Physiology - Lab Values***

## ***Physiology - Organ Systems***

## ***Physiology - Wound Healing***

## ***Trauma Surgery***

- i. Emergency abdominal exploration
- ii. Aortic repair
- iii. Retroperitoneal exploration
- iv. Splenectomy
- v. Diaphragmatic repair
- vi. Tracheostomy
- vii. Repair lacerations

## ***Thoracic Surgery***

- i. Wedge resection of lung
- ii. Pneumonectomy
- iii. Pleurodesis
- iv. Mediastinoscopy

## ***Urology Surgery***

- i. Bladder surgery including cystectomy
- ii. Circumcision & meatotomy
- iii. Hydrocele, spermatocele, & scrotal surgery
- iv. Nephrectomy
- v. Open simple prostatectomy
- vi. Radical prostatectomy
- vii. Testicular surgery