15.RECOMMENDED LEARNING OBJECTIVES LEARNING AND ACCREDITATION FROM ENDOSCOPY STUDY DAYS (TECNA COURSE MANUAL)

1. How to accredit from study days

Work based learning can be used to gain credits for higher degrees. Please refer to the addendum enclosed or visit **www.tecnainfo.com**

And be able to:

2. Basics

Describe the anatomy of the gastrointestinal wall, including the thickness of each layer and how this changes with insufflations.

Outline basic histology of the gastrointestinal tract.

Describe basic electrical circuits/currents (e.g. monopolar, bipolar, cutting, coagulation) and their appropriate uses.

Describe the effect of electricity when passed through tissue.

3. Thermal Therapy

Describe various modalities of thermal therapies and their indications.

Select basic electrical settings for treatment, as directed by the endoscopist (power in watts, etc)

Describe how tissue varies in sensitivity to thermal therapy and their effects on tissue.

Name and describe how to prevent complications of thermal therapies.

4. Polypectomy

Describe the different types of polyps, their significance and reasons for polypectomy.

Select appropriate size accessories depending on the size of polyps for polypectomy.

Describe the steps involved in safe polypectomy.
Diathermy settings for polypectomy.

5. Endoscopic clip devices

Describe the steps is clip deployment.

Identify the different types of clips available for treatment and their specifications

6. Endoscopic loop devices.

Describe the steps involved in loop device deployment.

7. Chromoendoscopy.

Describe various basic agents used in chromo endoscopy, their indications for use and significance.

Be able to prepare the various strengths of solutions as per the endoscopist's request.

8. Solutions and injections in Endoscopy

Identify the various solutions and injections commonly used in the endoscopy unit.

Prepare appropriate strengths of solutions and injections.

9. Endoscopic dilatation

Describe the common methods of dilatation and their indications.

Implications of oesophageal dilatation (complications) in various conditions. (Benign disease/Malignant disease/Achalasia).

10. ERCP

Describe the anatomy of the pancreaticobiliary system.

Implication of ERCP (significant complications).

Name and describe various common accessories used in ERCP.

11. Transparent hood assisted Endoscopy

Outline the indications and advantages of using transparent hoods in special cases.

12. Foreign body Retrieval

Implications from foreign body ingestion.

Describe and identify various accessories used in the management of foreign body removal.

13. Gastrointestinal Emergencies

Outline the common causes of gastrointestinal bleeding and their morbidity and mortality.

Outline various treatment modalities in the management of GI bleeding

14. Special Situations

Implications of diathermy in patients with Cardiac devices.

Outline the various precautions taken to reduce complications.

Implications of low haemoglobin in special situations and associated mortality and morbidity.

THIS MANUAL CONTAINS

21,672 WORDS

127 FIGURES

25 TABLES

15 CHAPTERS