

GASTRIC LAVAGE AND GASTRIC GAVAGE

Method of teaching-Lecture-cum-Discussion and demonstration method

A-V aids-Chalk Board, Slides (PPT)

SPECIFIC OBJECTIVE:

At the end of the class group will be able to understand about the procedure of gastric gavage and gastric lavage and will be able to apply this knowledge into the clinical area while providing care to the patient.

GENERAL OBJECTIVES-

At the end of the class, students will be able to:

- Explain anatomy and physiology related to GI tract
- Define gastric gavages
- list down its purposes
- Enumerate indications and contra-indications
- Demonstrate procedure of gastric gavages safely and effectively.
- Define gastric lavage
- list down its purposes
- Enumerate indications and contra-indications
- Demonstrate procedure of gastric lavage safely and effectively

TIME	SPECIFIC OBJECTIVE	CONTENT	TEACHING LEARNING ACTIVITIES	EVALUATION
2 min	Explain anatomy and physiology related to GI tract Define gastric gavages list down its purposes	<u>GASTRIC GAVAGE</u> <u>RALATED ANATOMY AND PHYSIOLOGY</u> The digestive canal is composed of the mouth, oesophagus, stomach, a small intestine and large intestine. In mouth there are tongue, teeth and salivary glands. From the mouth the food goes to the oesophagus and then to the stomach. Food remains in the stomach for 1-4 hours. Chemical changes take place in food due to gastric juices. The pyloric sphincter allows the passage of food into the small intestine. The small intestine has three parts- duodenum, jejunum, and ileum. The accessory organs of digestion are- three pairs of salivary glands, pancreas, liver and biliary tract. <u>DEFINITION</u> It is an artificial method of giving fluids and nutrients through a tube that has been passed into the stomach and oesophagus through the nose, mouth or through an opening made on the abdominal wall. <u>PURPOSES:</u> • TO introduce liquid food into the stomach in order to meet nutritional needs	Introduction of the topic: With the help of power point slide student teacher will explain anatomy and physiology related to GI tract With the help of power point slide student teacher will define gasric gavage With the help of power point slide	What are the parts of digestive system? What do you understand by gastric gavage?

5 min	Explain the types and methods of gastric gavage.	- To give large amount of fluids safely - To prevent the danger of parenteral feeding .e.g. infection, thrombosis. <u>TYPES OF GASRIC GAVAGE</u> Based on route of insertion and method of administration: ROUTE OF INSERTION: NASOGASTRIC TUBE FEEDING ORO-GASTRIC FEEDING GASTROSTOMY_TUBE_FEEDING <u>METHODS OF ADMINISTRATION</u> CONTINUOUS FEEDING METHOD - By continuous drip method - By syringe and infusion pump method. INTERMITENT FEEDING METHOD BOLUS FEEDING METHOD	Student teacher will list down its purposes With the help of power point slide student teacher will explain the types and methods of gastric gavage.	What are the purposes of gastric gavage? Name the types of gastric gavage.
2 min	Describe the types of NG tubes.	<u>TYPES OF NASOGASTRIC TUBES</u> The Levin Tube The Salem-Sump Tube The Miller-Abbott Tube . The Cantor Tube	With the help of power point slide student teacher will describe the types of NG tubes.	What are the different types of NG tubes?

	Enumerate indications and contra-indications and general instruction.	<u>INDICATIONS</u> • When the patient is unable to ingest, chew, or swallow food but is able to digest and absorb e.g. semiconscious and unconscious patients. • Acute and chronic infection, severe burns, malnutrition and prematurity that are weak to swallow food. <u>CONTRA-INDICATIONS</u> • Gastric surgery • Tracheo oesophageal fistula • Paralytic ileus • Acute abdomen like abdominal distension, peritonitis ,abdominal pain. <u>GENERAL INSTRUCTIONS</u> • Screen the patient for privacy • Given only by the doctor's order • Explain the procedure and reassure him to win his confidence and co-operation <u>PROCEDURE</u> PREPARATION OF PATIENT PREPARATION OF PATIENT STEPS OF THE PROCEDURES	With the help of power point slide student teacher will enumerate indications and contra-indications and general instruction.	Enlist the contraindications of gastric gavage.
	Demonstrate procedure of gastric gavages safely and		With the help of power point slide student teacher will	

	effectively	AFTER CARE: • Document the relevant information. • Establish a plan for NG care. • Inspect the nostril for discharge and irritation • Clean the nostril and tube with moistened, cotton-tipped applicators. COMPLICATIONS OF GASTRIC GAVAGE: • Diarrhoea • Mouth dryness • Nostril irritation • Abdominal distension • Abdominal cramps. <u>GASTRIC LAVAGE</u> <u>DEFINITION:</u> The word <u>LAVAGE</u> is a French word and is derived from the word <u>LAVARE</u>, to wash out “Lavage “refers to irrigation or washing out of a body cavity, e.g. gastric lavage. PURPOSE: • To remove poisons from the stomach before they can be absorbed from the gastro-intestinal tract • To collect gastric contents for identification of poison	demonstrate procedure of gastric gavares safely and effectively	Describe the steps of procedure for gastric gavage.
	Define gastric gavares		With the help of power point slide student teacher will define gasric gavage	Define gastric gavares
	list down its purposes		With the help of power point slide student teacher will list down its purposes	What are the purposes of gastric lavage?

	Enumerate indications and contra-indications	<u>INDICATIONS:</u> • Ingested poisons in the stomach • Bleeding gastric ulcers <u>CONTRAINDICATIONS:</u> • Corrosive poisoning(due to danger of perforation) • Kerosene and other hydrocarbons (due to danger of aspiration of stomach contents) <u>GENERAL INSTRUCTIONS:</u> • Explain the procedure to the client and significant others, to win their confidence and co-operation • Remove denture, if any • Introduce a mouth gag in case of an un-cooperation client to prevent him from biting the tube <u>PROCEDURE:</u> PREPARATION OF PATIENT PREPARATION OF PATIENT STEPS OF THE PROCEDURES <u>AFTER CARE:</u> • Rinse mouth • Remove the mackintosh and the towel • Make the patient comfortable in bed	With the help of power point slide student teacher will enumerate indications contraindications and general instructions. With the help of power point slide student teacher will demonstrate procedure of gastric lavage safely and effectively	List the indications of gastric gavage. Describe the steps of procedure for gastric lavage.
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