



# GASTROENTEROLOGY DEPARTMENT

HOLY FAMILY HOSPITAL/RAWALPINDI MEDICAL  
UNIVERSITY

## AUDIT REPORT 2020

# INTRODUCTION

Gastroenterology department is a separate Department of Holy Family Hospital, Rawalpindi which is an allied hospital of Rawalpindi Medical University, Rawalpindi. Gastroenterology department provides inpatient, outpatient, and emergency services. In addition to these, all kind of Basic and Advance GI procedures are being performed here by Gastroenterology team.

The primary objective of Gastroenterology department is to provide patient-centered and evidence-based medical care.

As a part of Rawalpindi Medical University, the team of Gastroenterology department is actively involved in the teaching of undergraduate and Postgraduate Medical Students/Trainees.

## SERVICES

- ✚ Integrated and collaborative care by involving a multidisciplinary team of physicians, surgeons, Radiologists and Oncologist for specialized treatment.
- ✚ Wide variety of diagnostic and therapeutic Basic & Advance endoscopic and other GI procedures.
- ✚ Preventive medicine care such as screening for viral hepatitis, and screening for cancers, vaccination against hepatitis B etc.
- ✚ Diagnosis and Comprehensive management of a hospitalized patient.
- ✚ Palliative care for terminally ill patients.
- ✚ Patient counseling

## TEAM

**1. VICE CHANCELLOR RMU**

**DR. MUHAMMAD UMAR**

MBBS, FCPS, MCPS. FACG

**2. ASSISTANT PROFESSOR**

**DR. TANVEER HUSSAIN**

MBBS, FCPS (Med), FCPS (Gastroenterology)

**3. SENIOR REGISTRAR**

**Dr. TAYYAB SAEED AKHTER**

MBBS, FCPS (Med)

**4. SENIOR REGISTRAR**

**Dr. AQSA NASEER**

MBBS, FCPS (Gastroenterology)

**5. SENIOR REGISTRAR**

**Dr. ANUM ABBAS**

MBBS, FCPS (Gastroenterology)

**6. SENIOR REGISTRAR**

**Dr. JAVERIA KHAN**

MBBS, FCPS (Gastroenterology)

**7. SENIOR REGISTRAR**

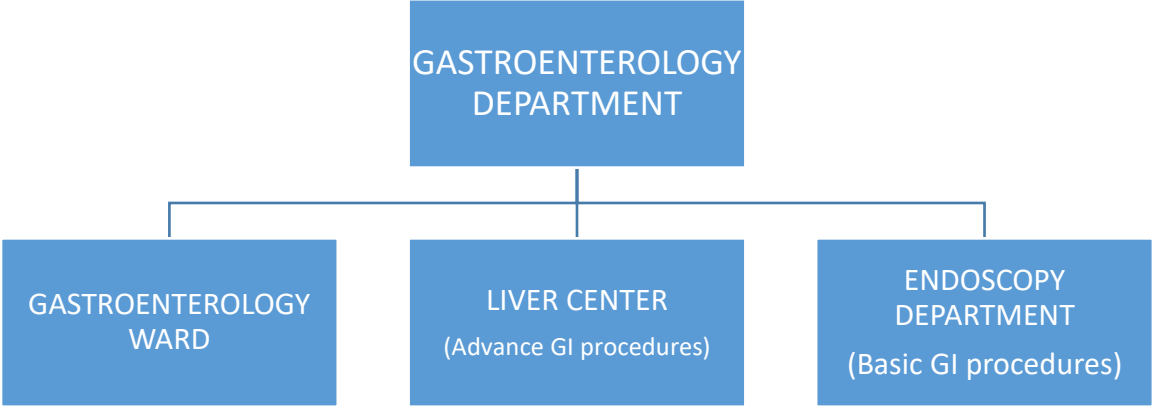
**Dr. SADIA AHMED**

MBBS, FCPS (Gastroenterology)

**8. SENIOR REGISTRAR**

**Dr. MISBAH NOREEN**

MBBS, FCPS (Gastroenterology)

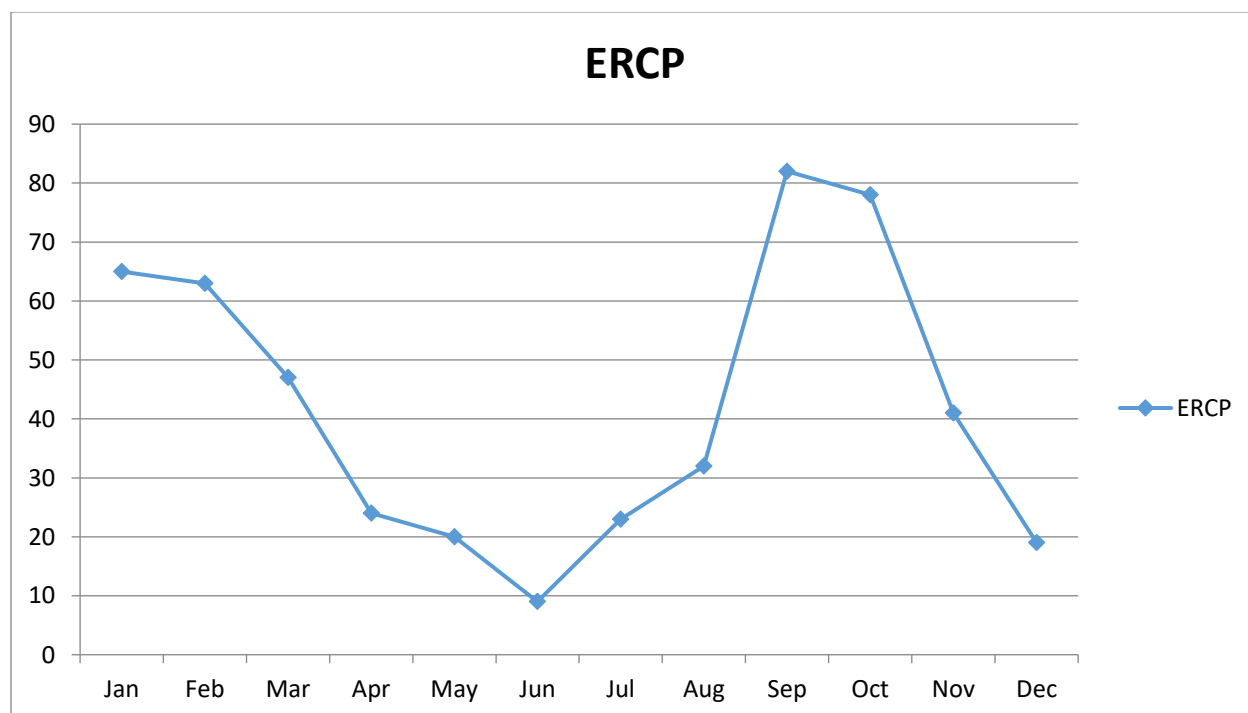


# ERCP AUDIT 2020

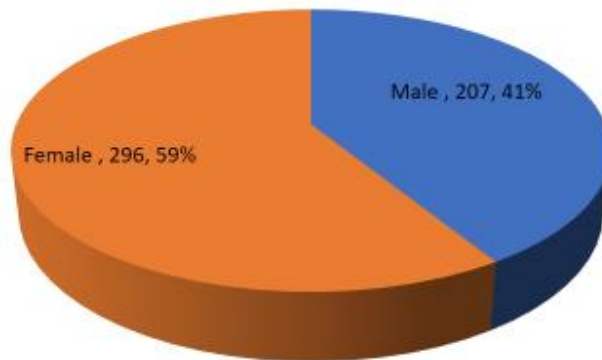
**Total Patient: 503**

**Males: 207**

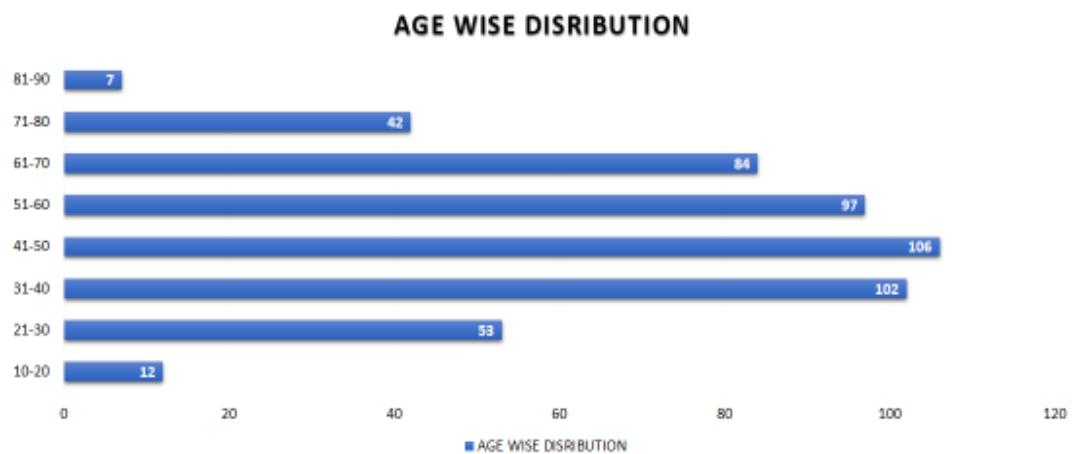
**Females: 296**



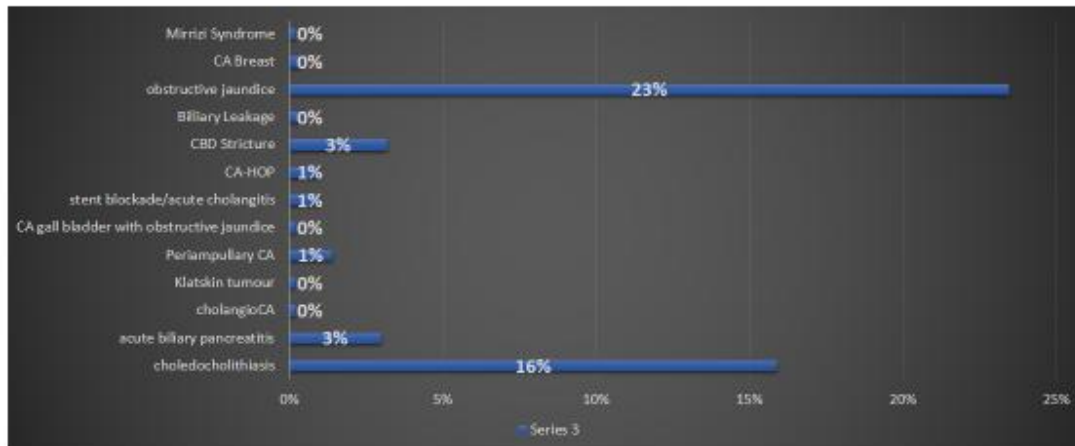
## GENDER



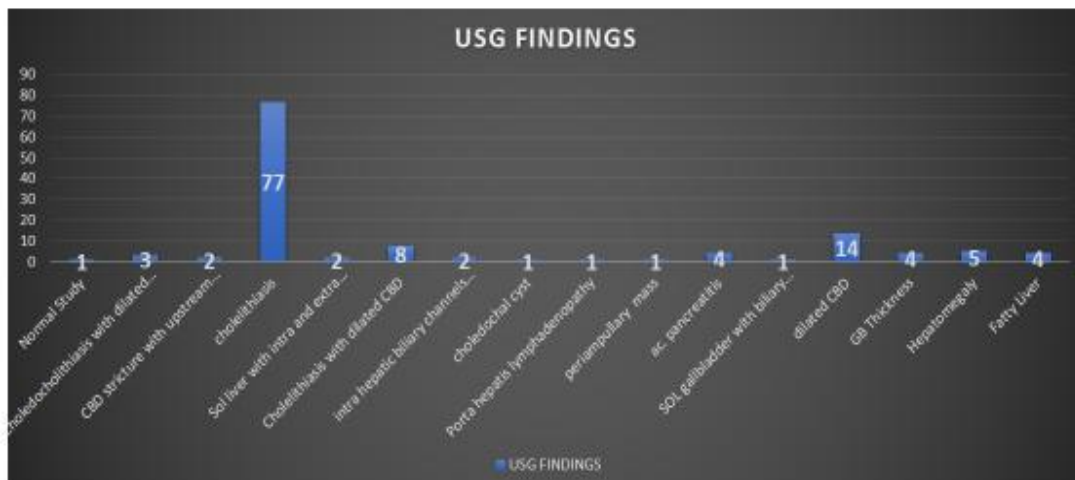
## AGE WISE DISTRIBUTION



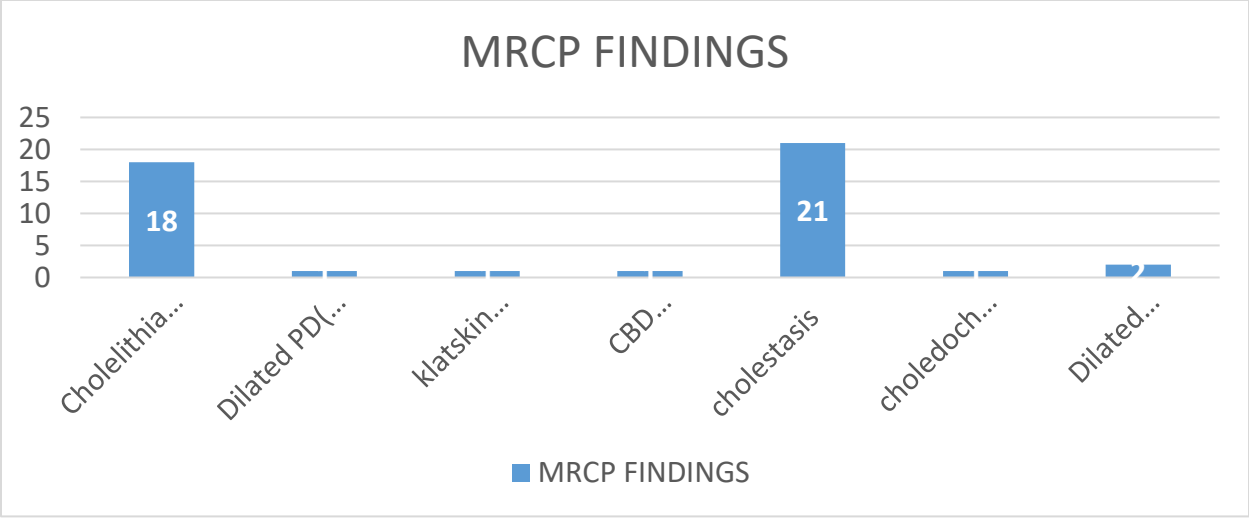
## ERCP INDICATION



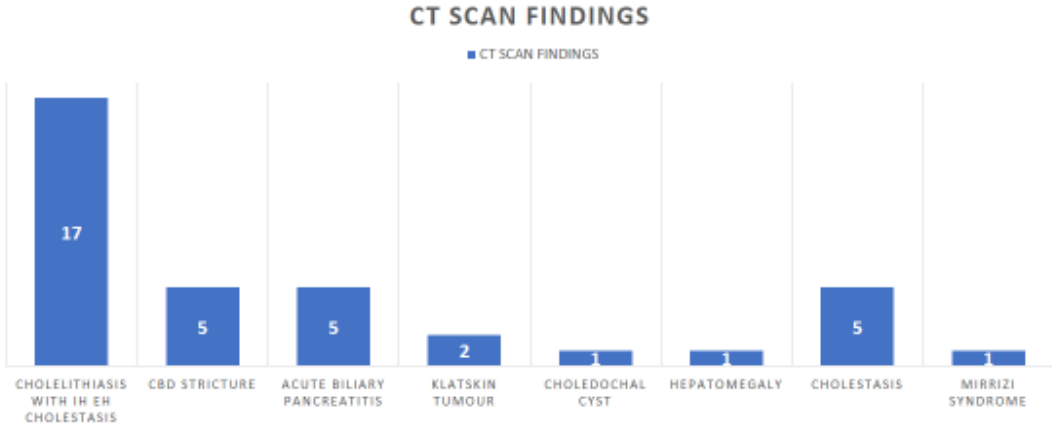
## USG FINDINGS



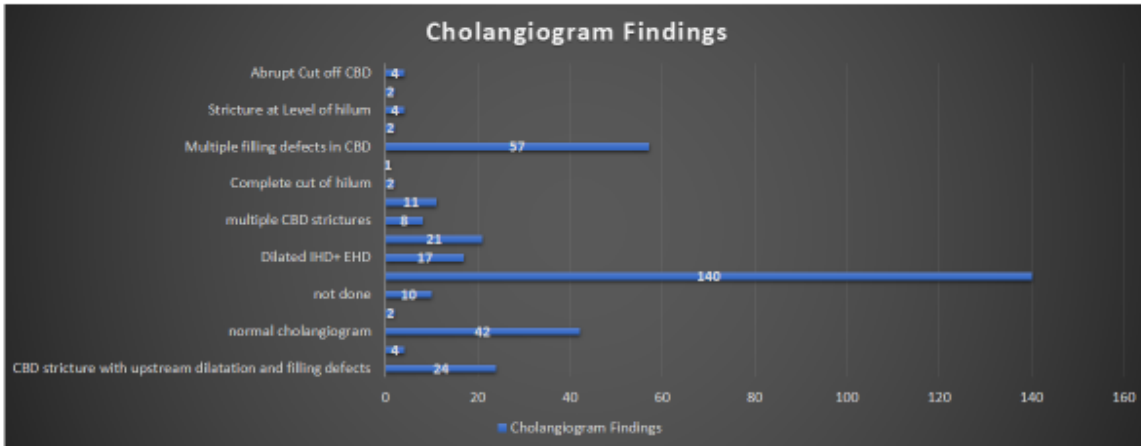




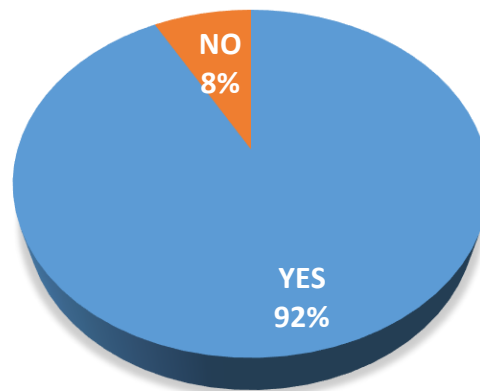
## CT SCAN FINDINGS



## Cholangiogram Findings

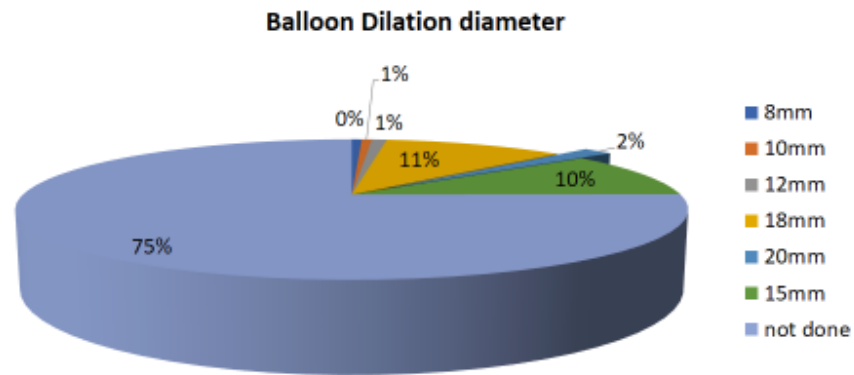


## Cannulation Successful

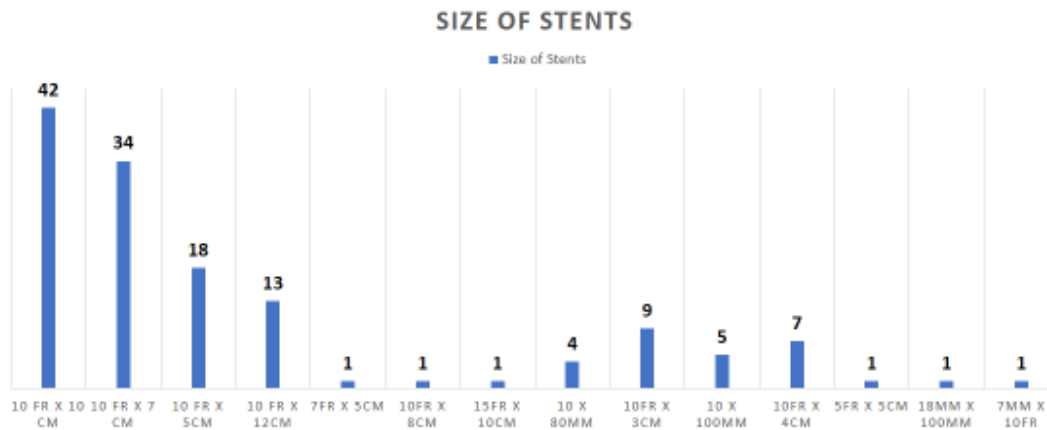


■ YES ■ NO

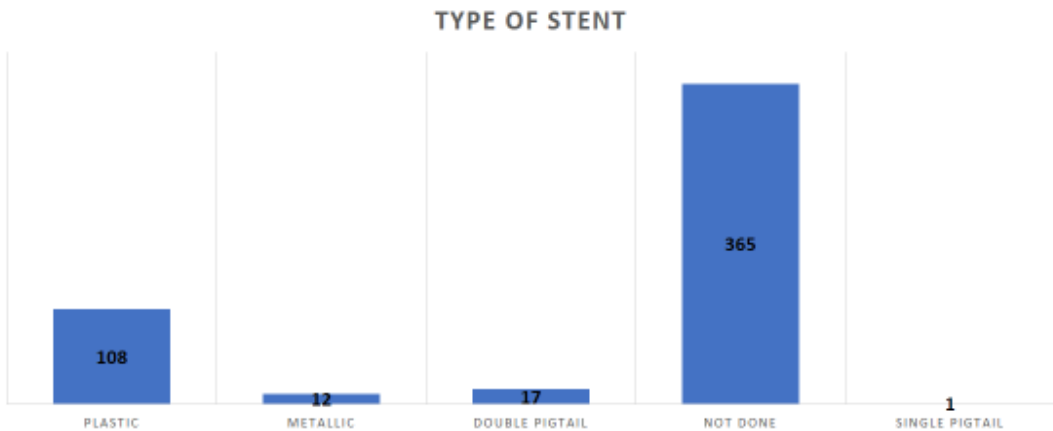
# Balloon Dilation diameter



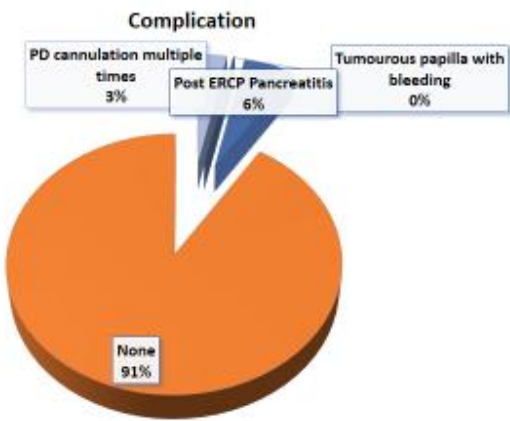
## Size of Stents



# Type of Stent



# Complication

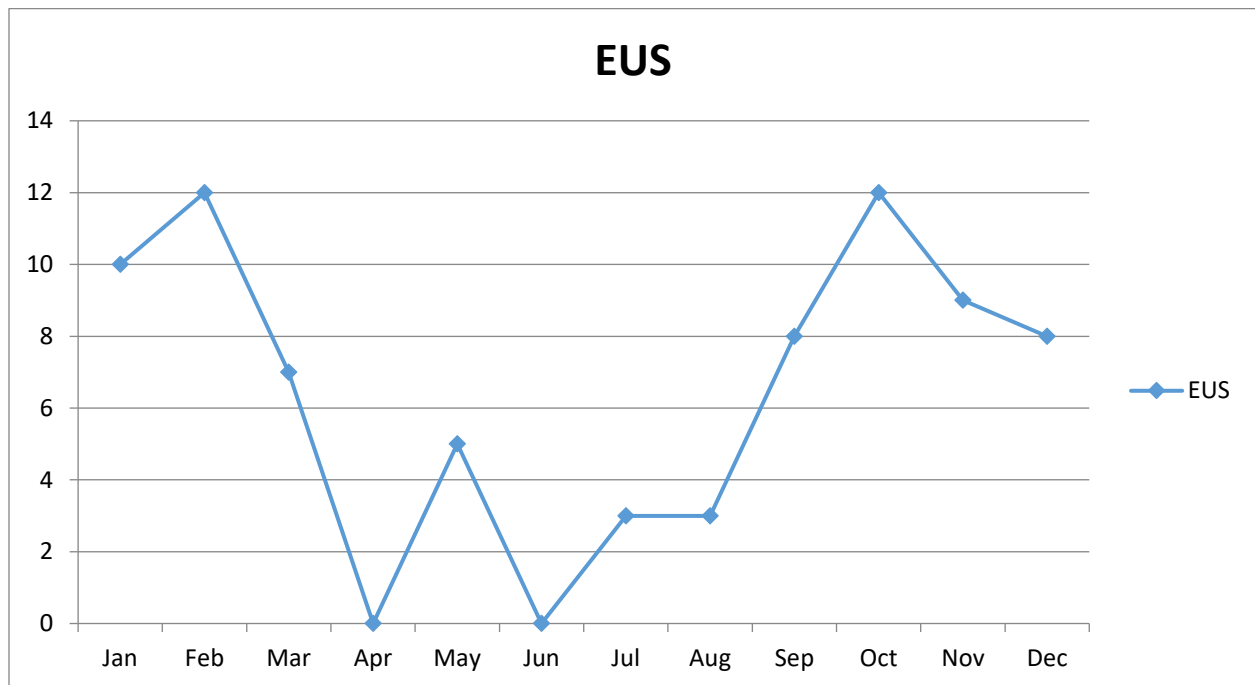


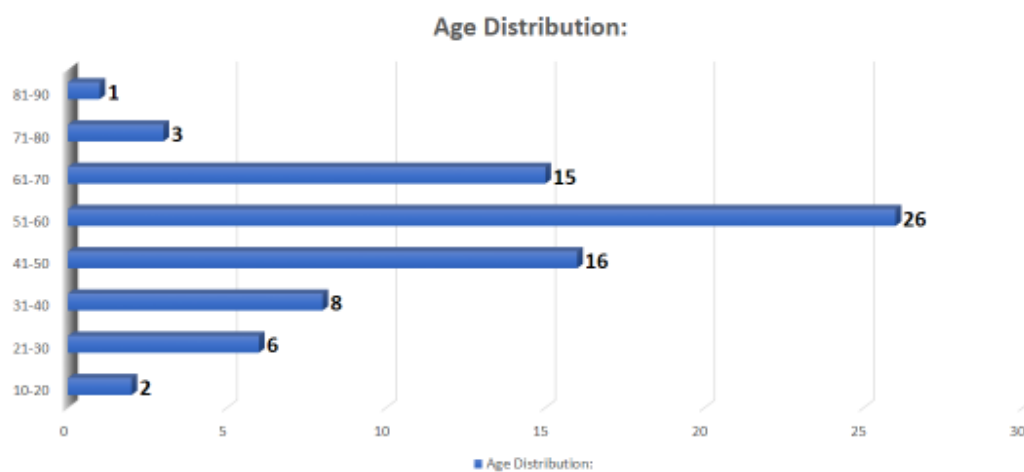
# EUS AUDIT 2020

Total Patient = 77

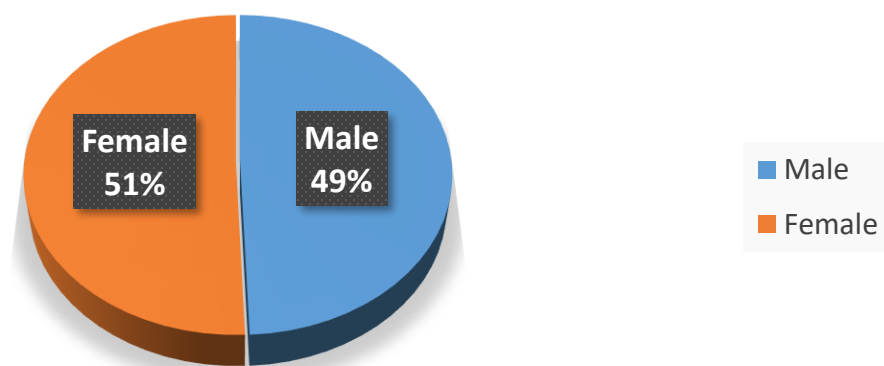
Male = 38

Female = 39

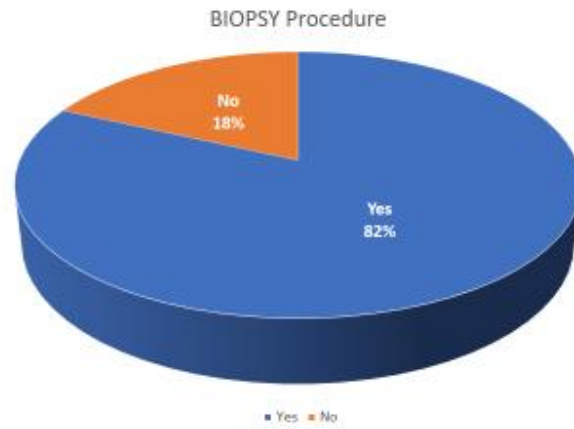




## Gender Distribution



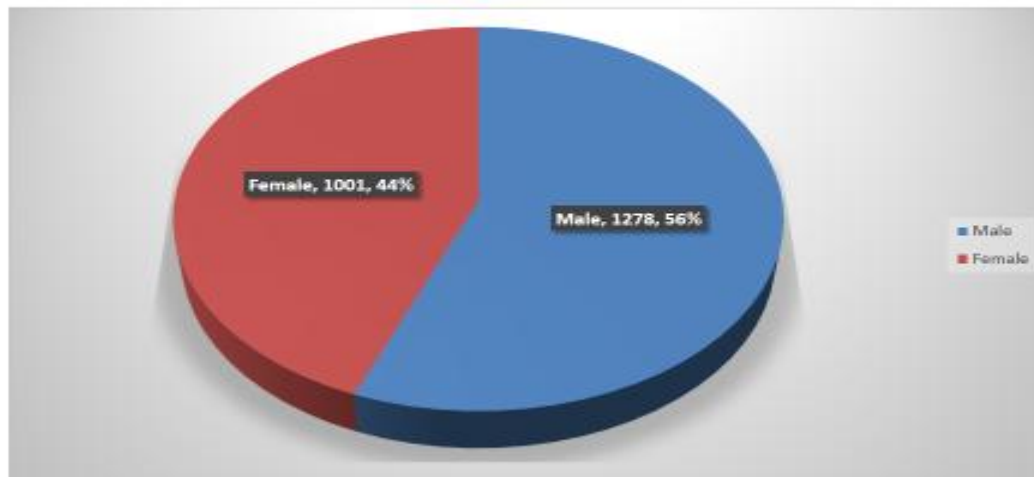
# BIOPSY PROCEDURE



## ENDOSCOPY Audit 2020

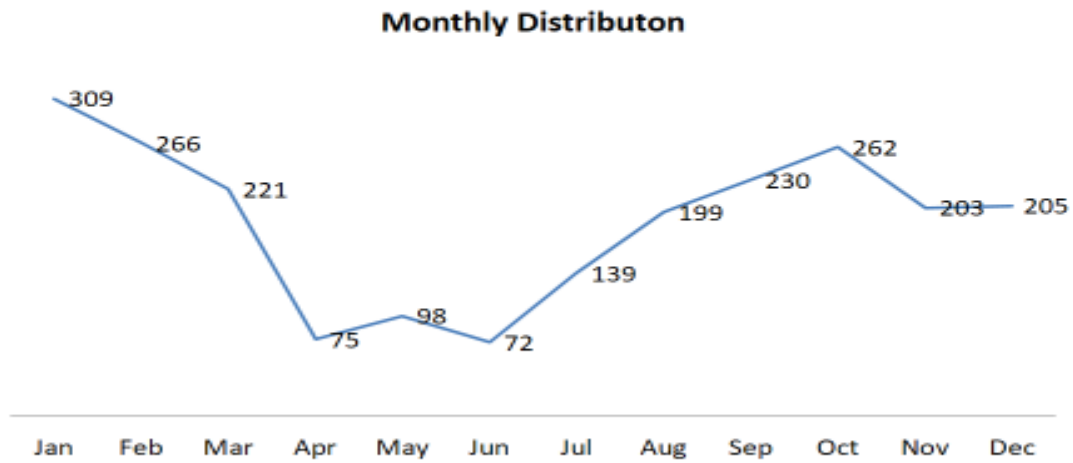
Total No of Patients	2279
Male	1278
Female	1001

### Gender Distribution

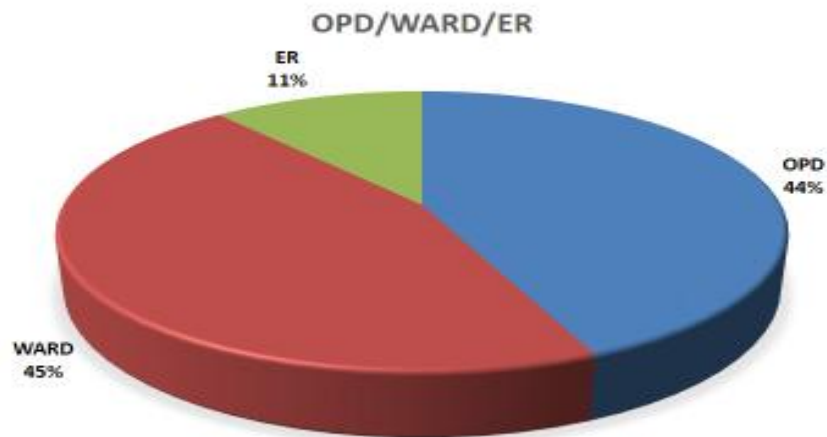




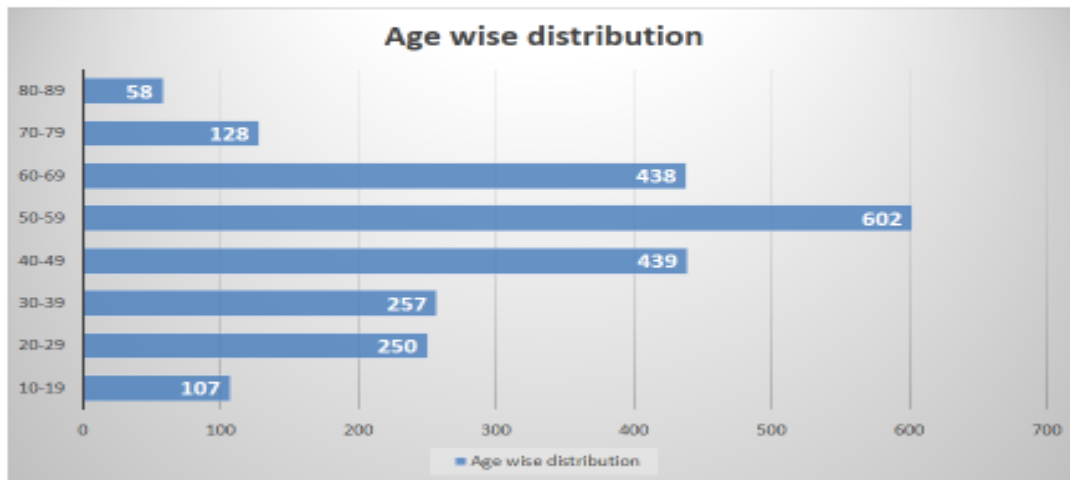
# Monthly Distribution



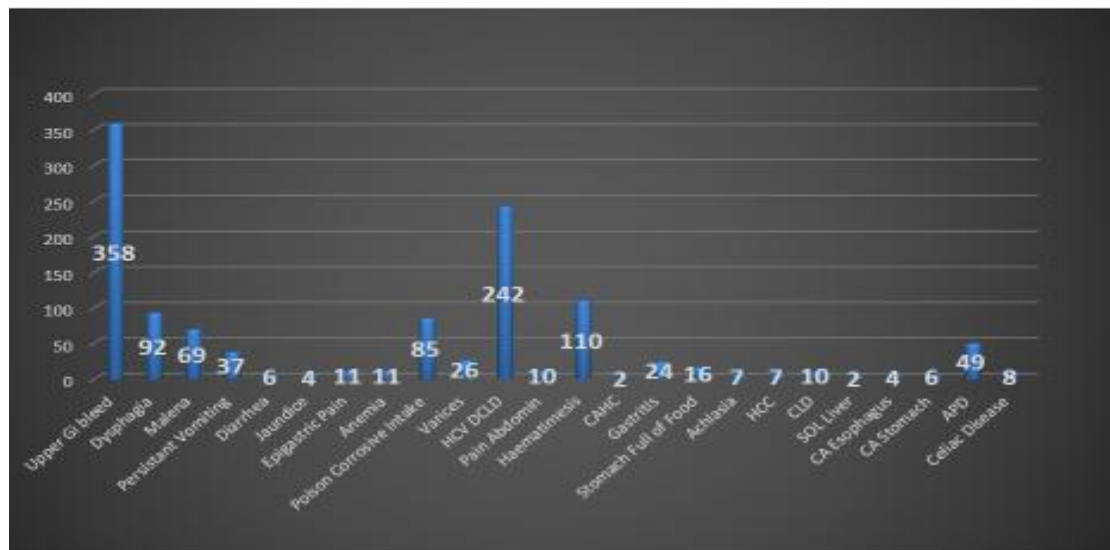
## OPD/WARD/ER



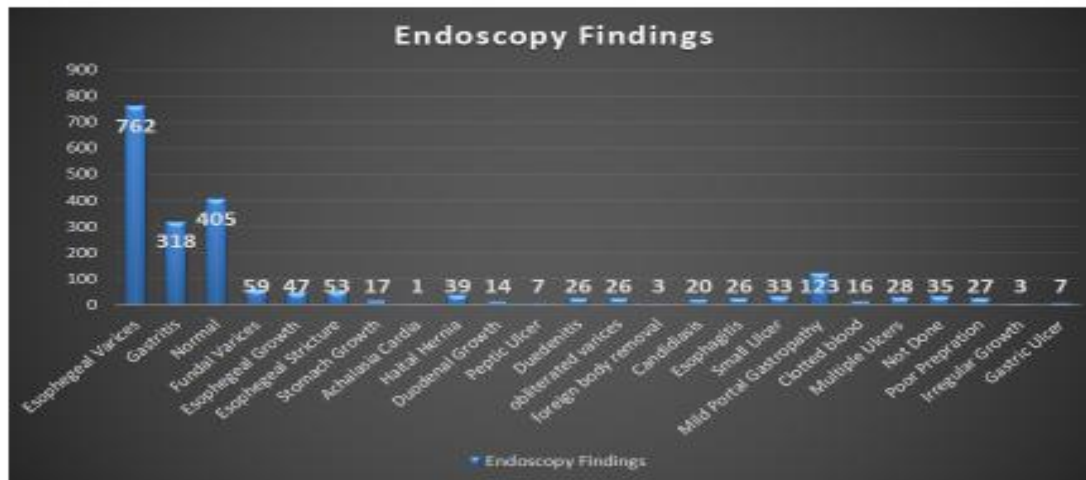
## AGE WISE DISTRIUTION



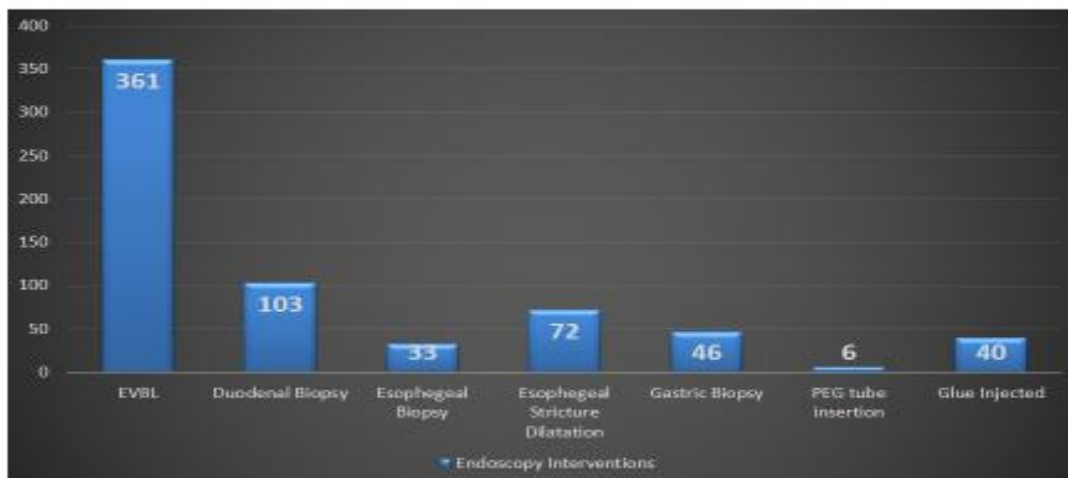
## ENDOSCOPY Indications



# Endoscopy Findings

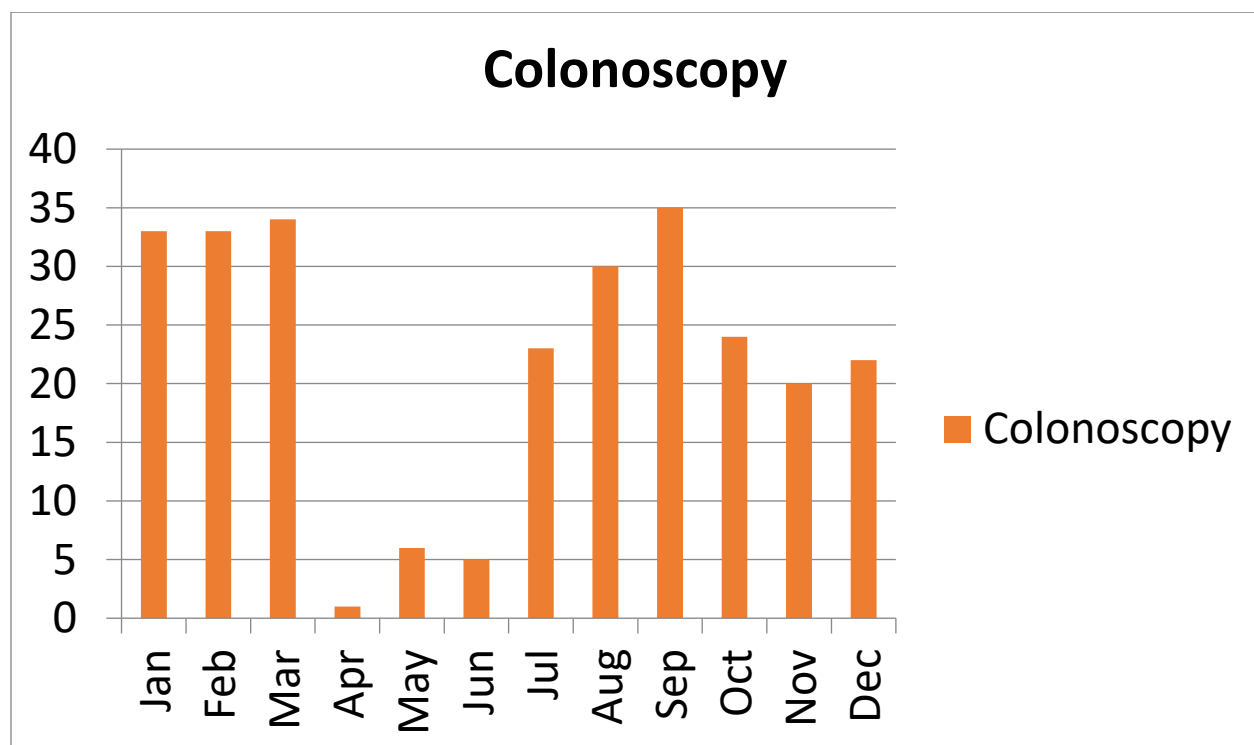


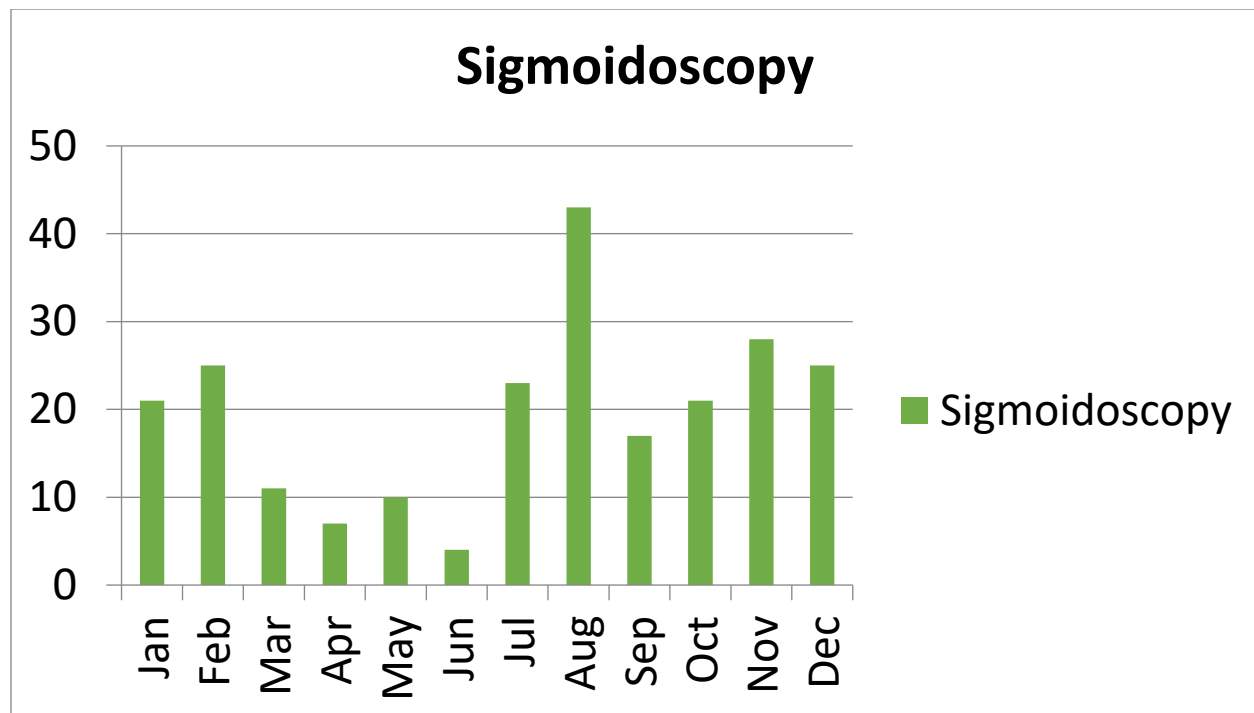
# Endoscopy Interventions



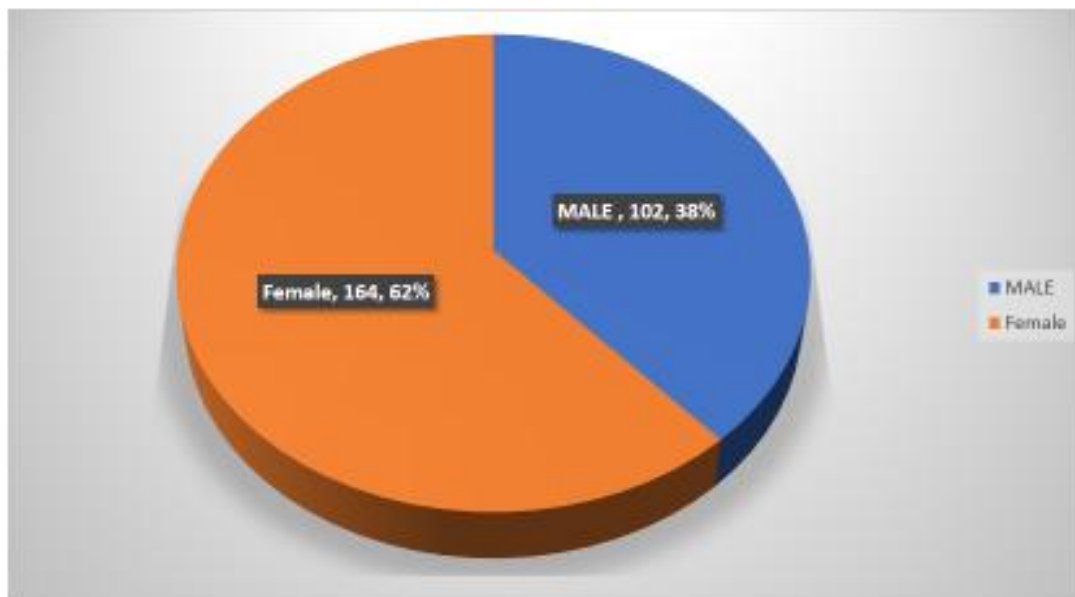
# Colonoscopy Audit 2020

<b>Total No of Patients</b>	<b>266</b>
<b>Male</b>	<b>102</b>
<b>Female</b>	<b>164</b>

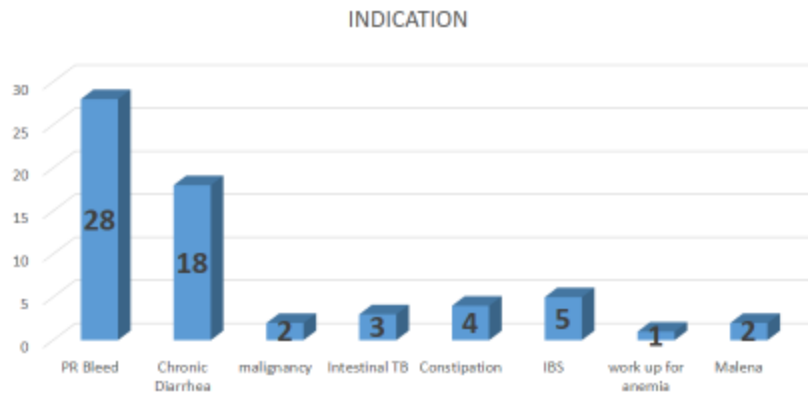




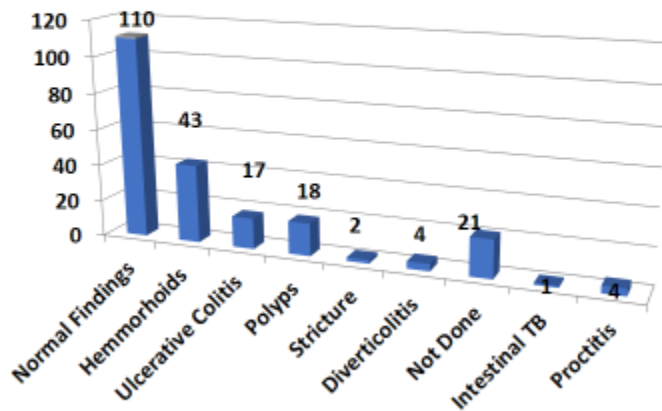
*Total No Of Patients*



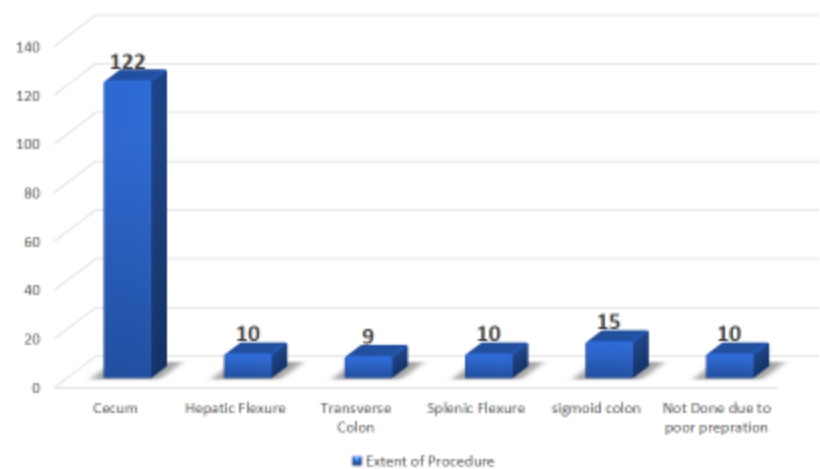
## Presenting Complaints



## Colonoscopy Findings



*Extent of Procedure*



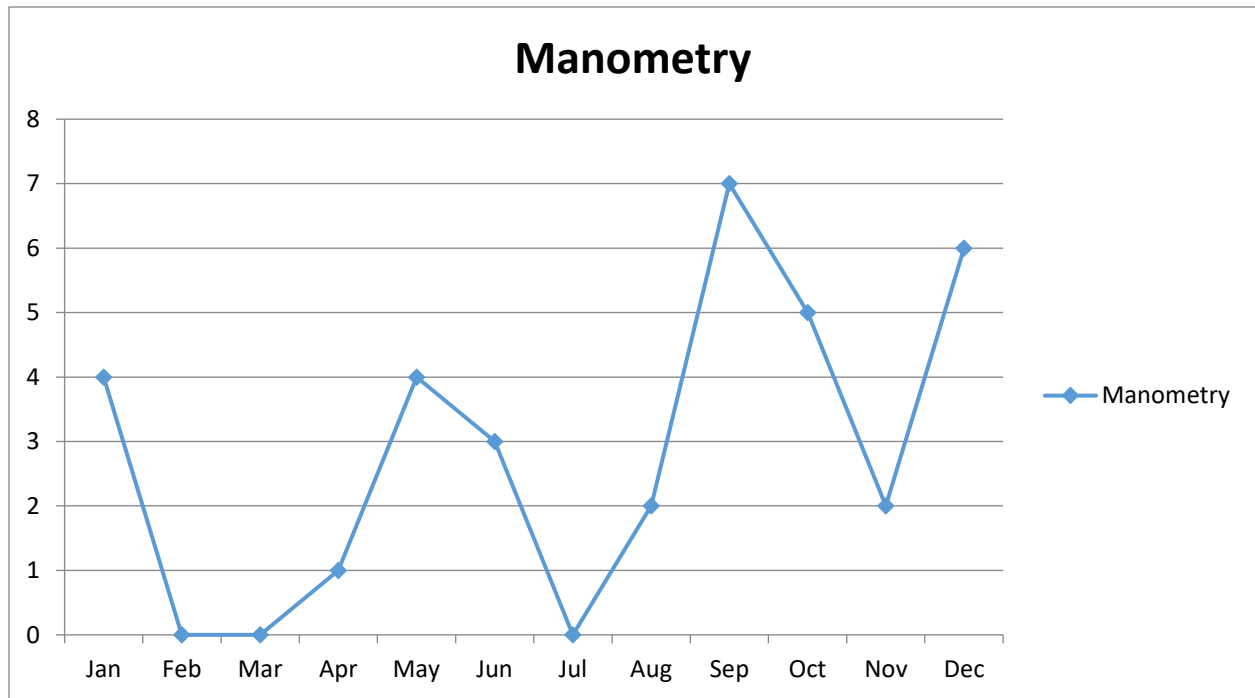
# Manometry Audit 2020

## JAN-DEC

Total Patients = 34

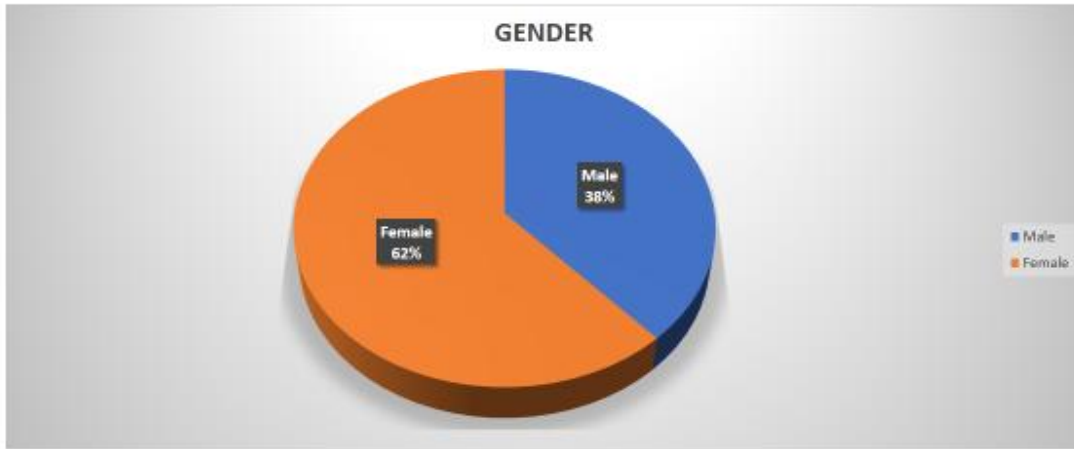
Male = 13

Female = 21

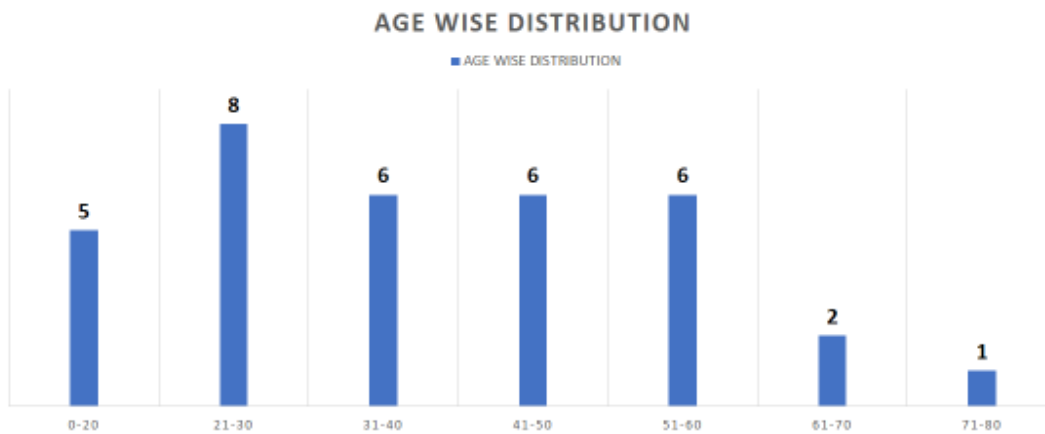




## GENDER



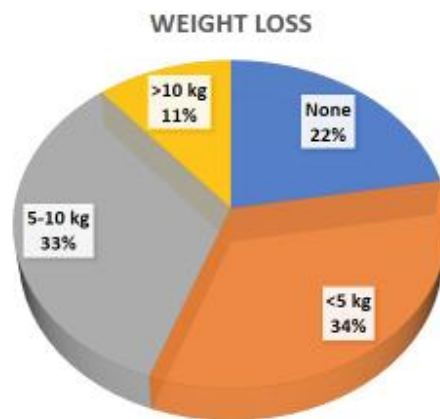
## AGE WISE DISTRIBUTION



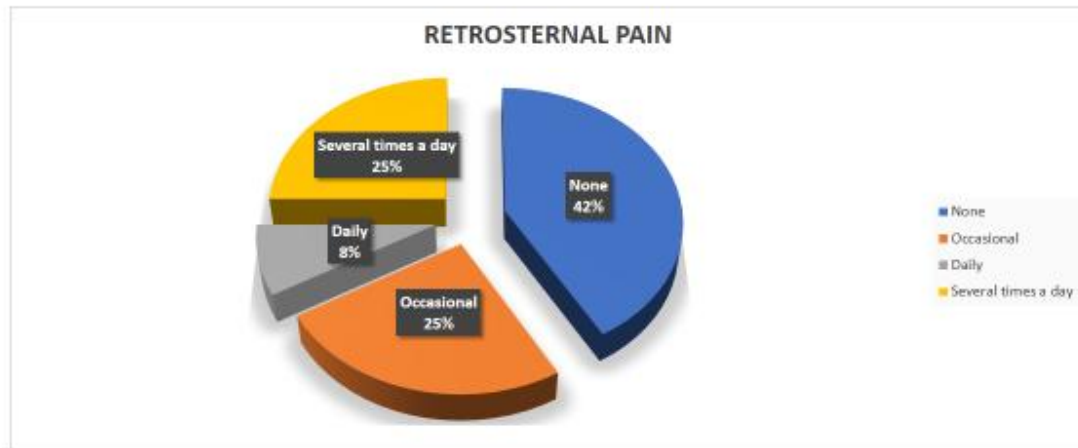
## PRESENTING COMPLAINT (Dysphagia Severity)



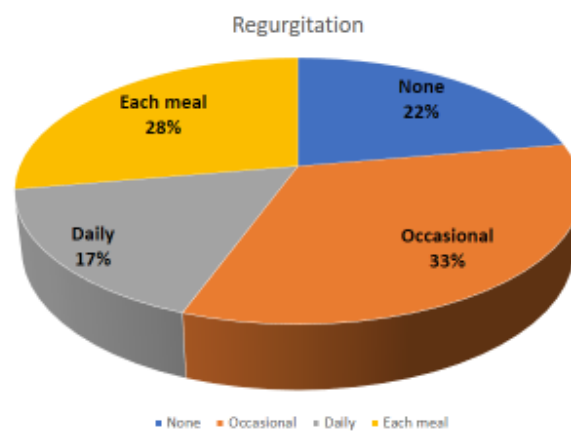
## WEIGHT LOSS



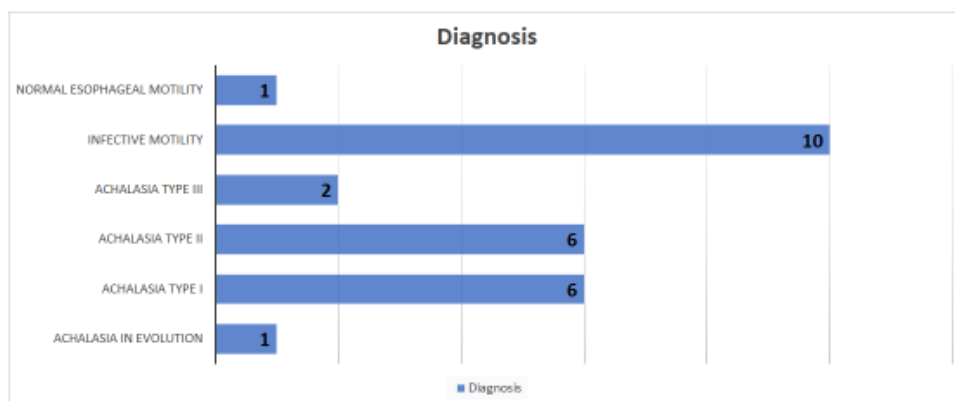
## RETROSTERNAL PAIN



## Regurgitation

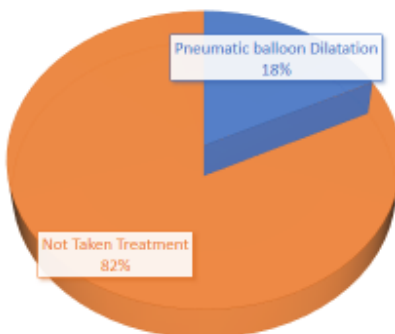


## HRM Diagnosis (Chicago Classification)

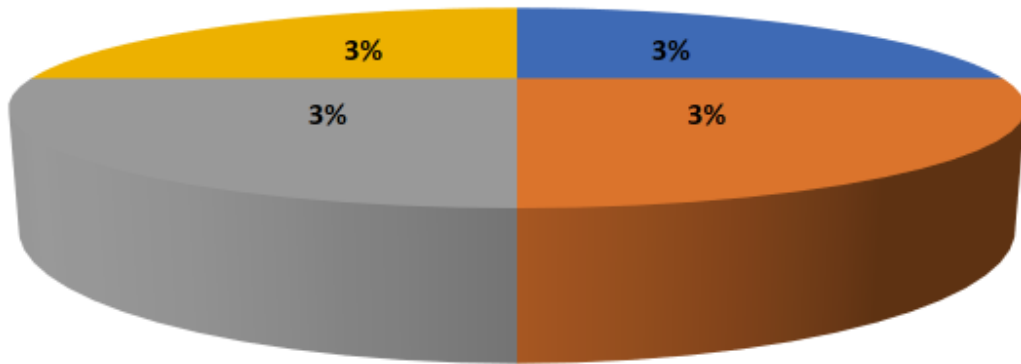


## ACHALASIA PATIENTS WHO OPTED PNEUMETIC DILATATION IN OUR CENTRE

### ACHALASIA PATIENTS WHO OPTED PNEUMETIC DILATATION IN OUR CENTRE

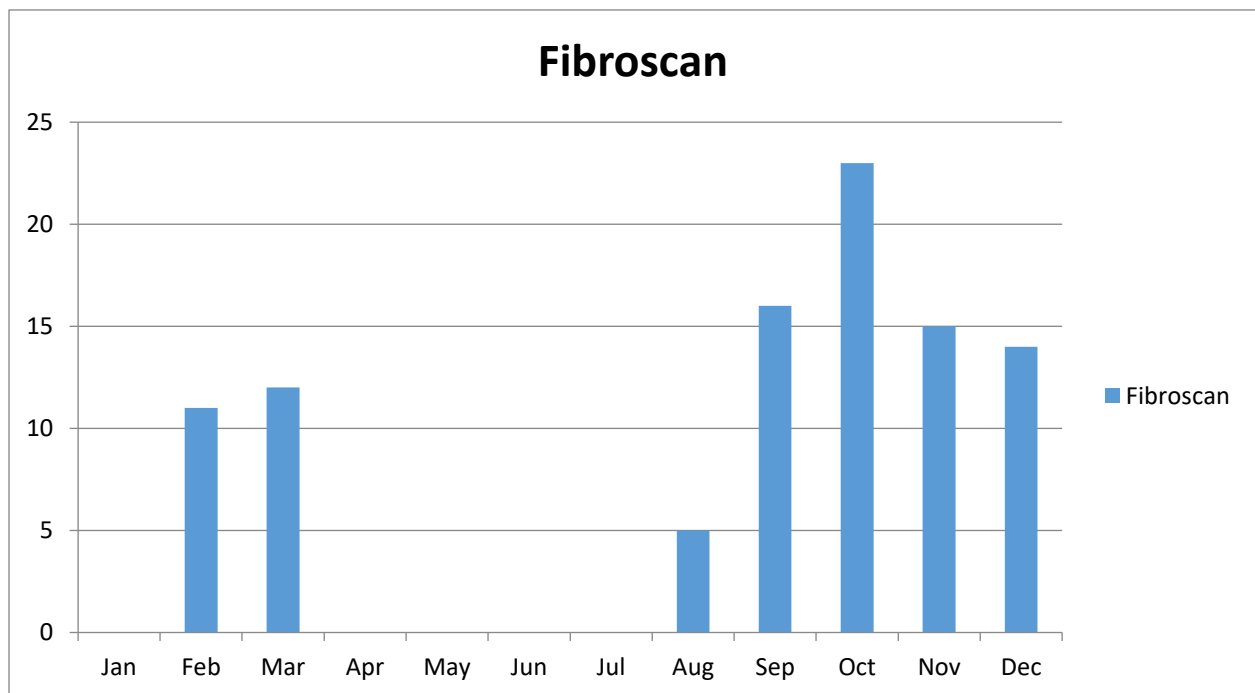


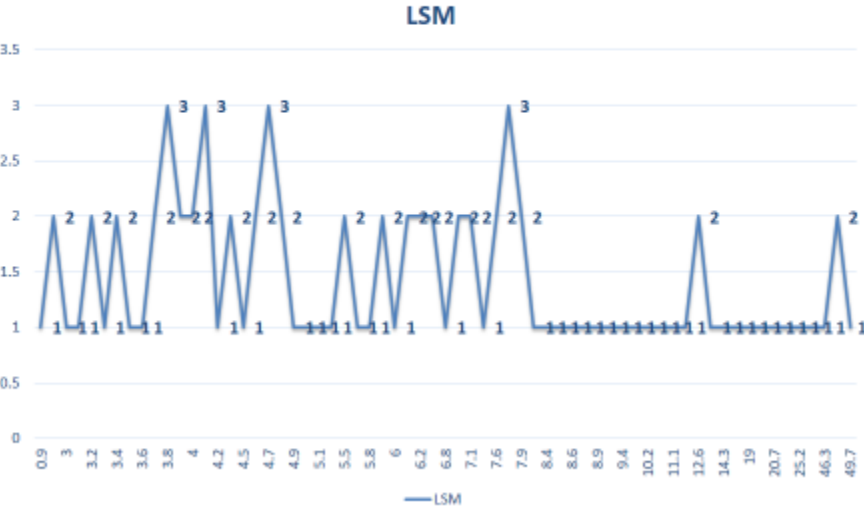
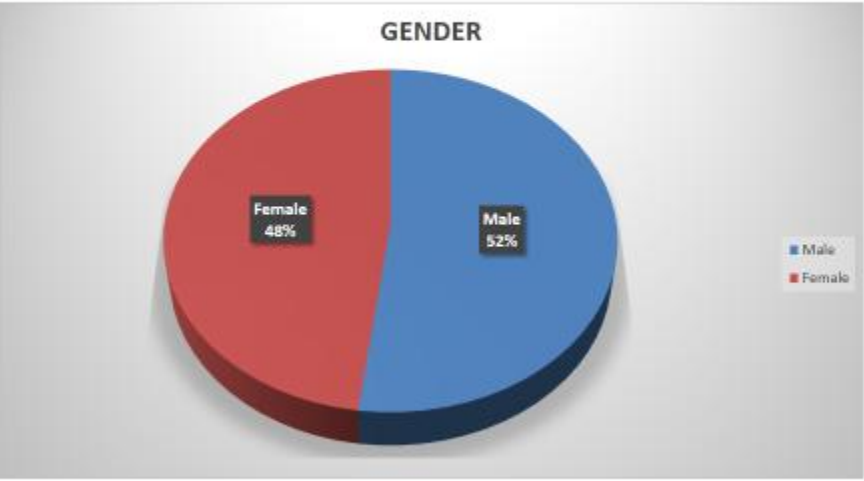
## Pressure Used During Procedure Balloon Dilatation In Achalasia Patients

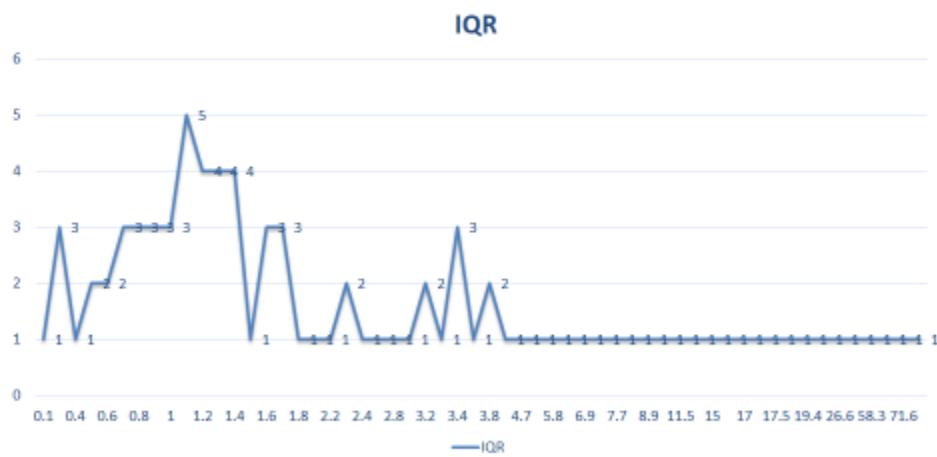
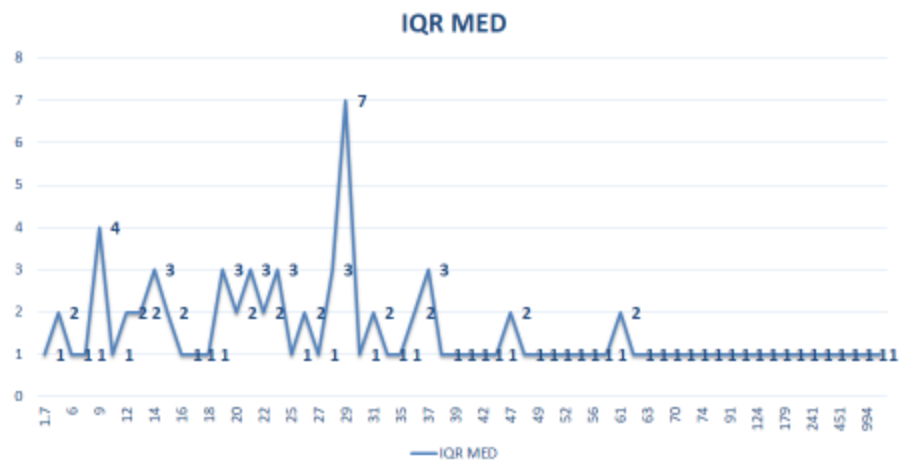


### FIBROSCAN AUDIT 2020

TOTAL NO OF PATIENTS	96
MALE	50
FEMALE	46

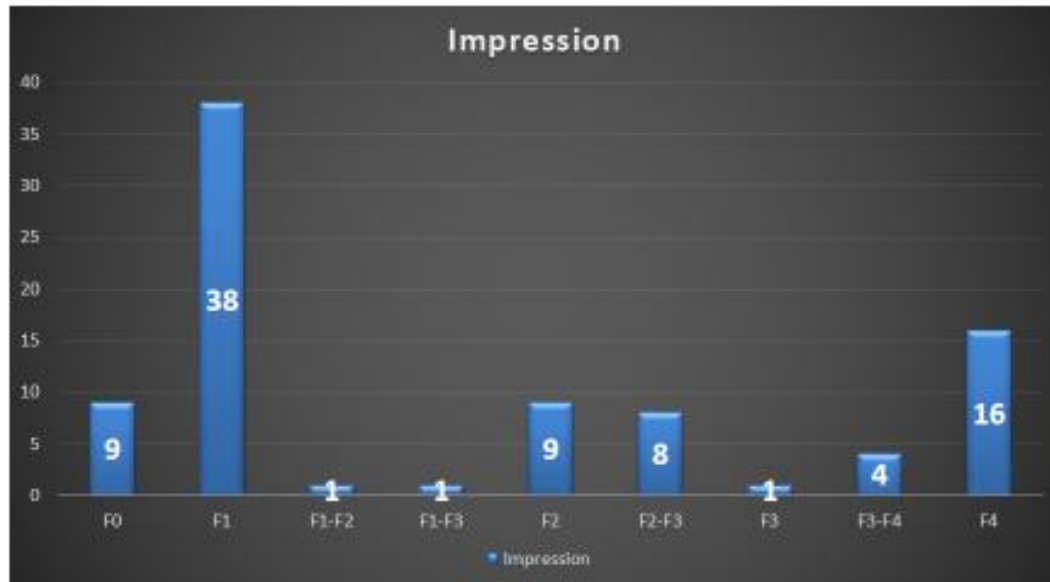








# IMPRESSION



## DATA OF PROCEDURES AT HFH IN 2020

	ENDOSCOPY	COLONOSCOPY	ERCP	EUS	FIBROSCAN	HRM
MALE	1278	266	207	38	96	13
FEMALE	1001	102	296	39	50	21
TOTAL	2279	164	503	77	46	34

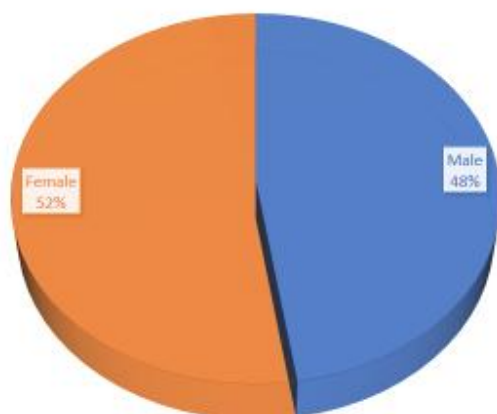
## DATA OF PROCEDURES AT BBH IN 2020

	ENDOSCOPY	COLONOSCOPY	ERCP
JANUARY	89	10	05
FEBRUARY	98	13	11
MARCH	65	09	11
APRIL	26	02	02
MAY	27	03	02
JUNE	05	04	02
JULY	03	06	02
AUGUST	36	10	17
SEPTEMBER	26	20	14
OCTOBER	56	14	11
NOVEMBER	35	09	13
DECEMBER	44	05	16
TOTAL	510	105	106

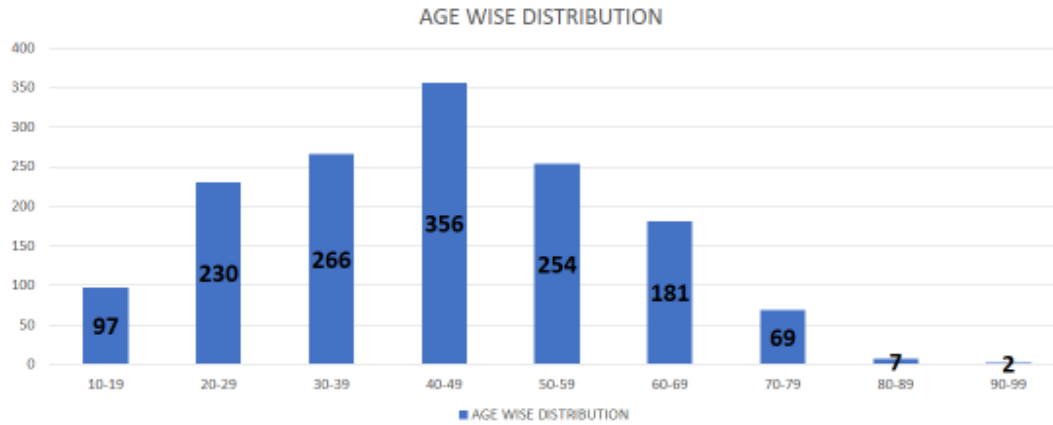
# OPD AUDIT 2020

Total No of Patients	1462
Male	695
Female	767

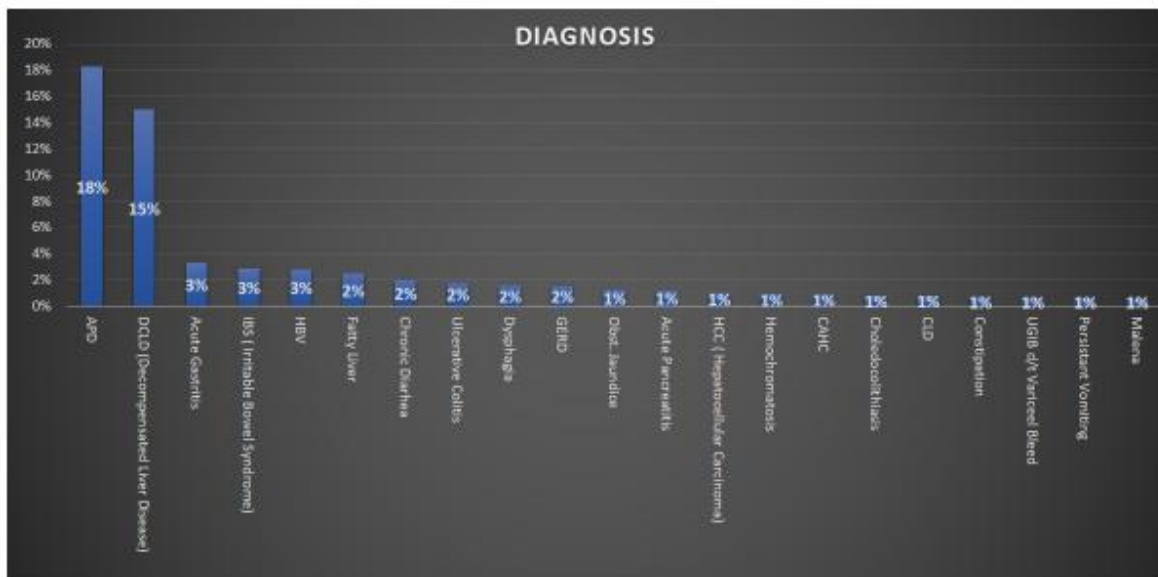
## GENDER WISE DISTRIBUTION



# AGE WISE DISTRIBUTION



# DIAGNOSIS

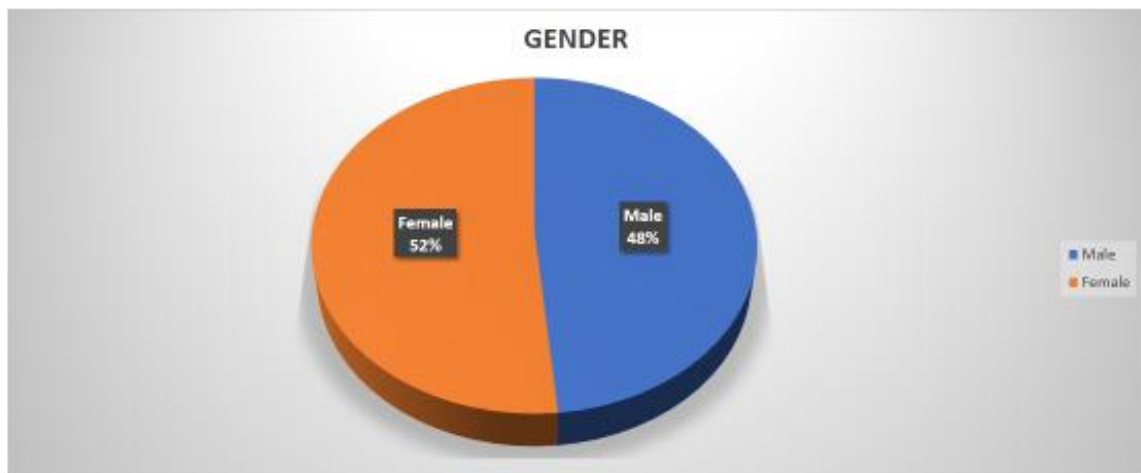


# Liver Clinic Audit

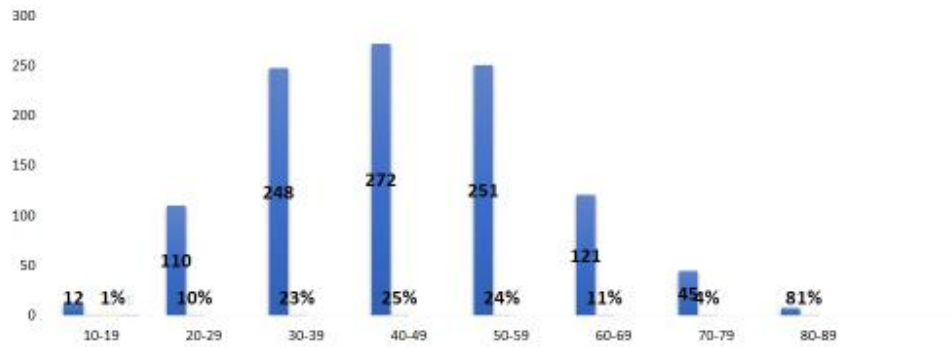
JAN to dec 2020

Total Patients	=1067
Male	= 517
Female	= 550

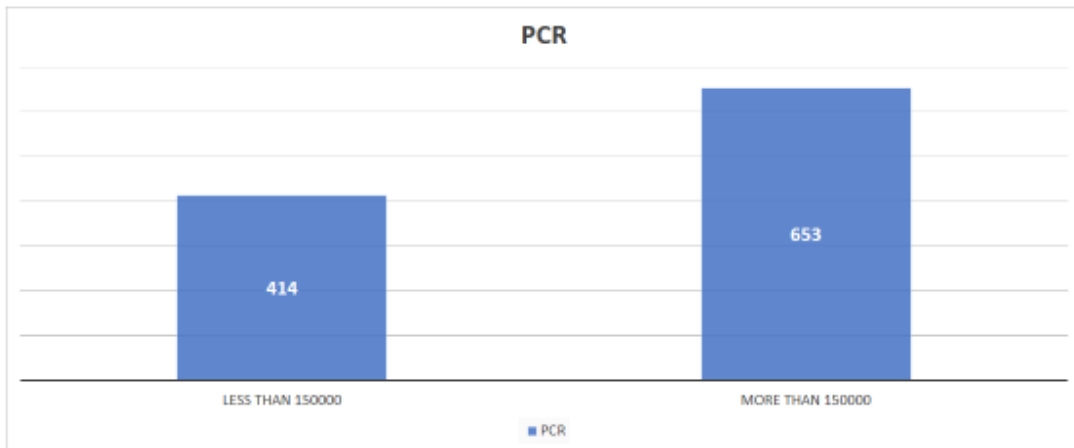
## GENDER



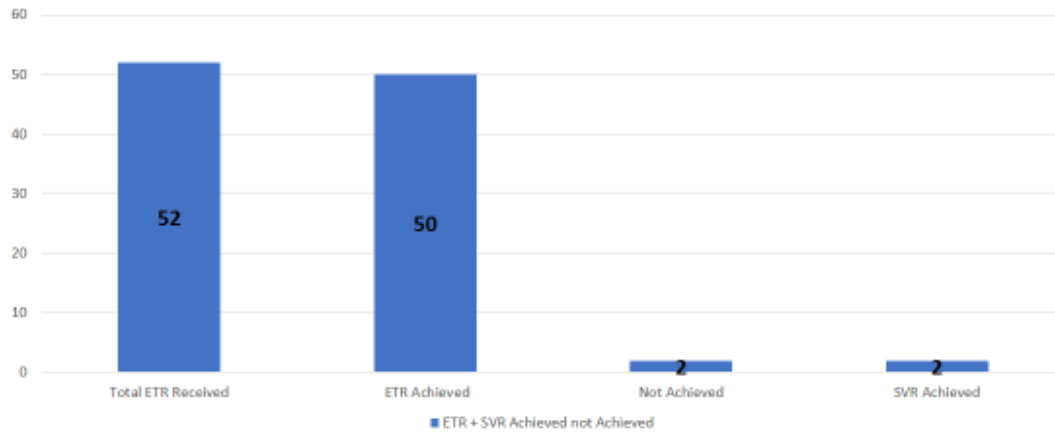
## AGE WISE DISTRIBUTION



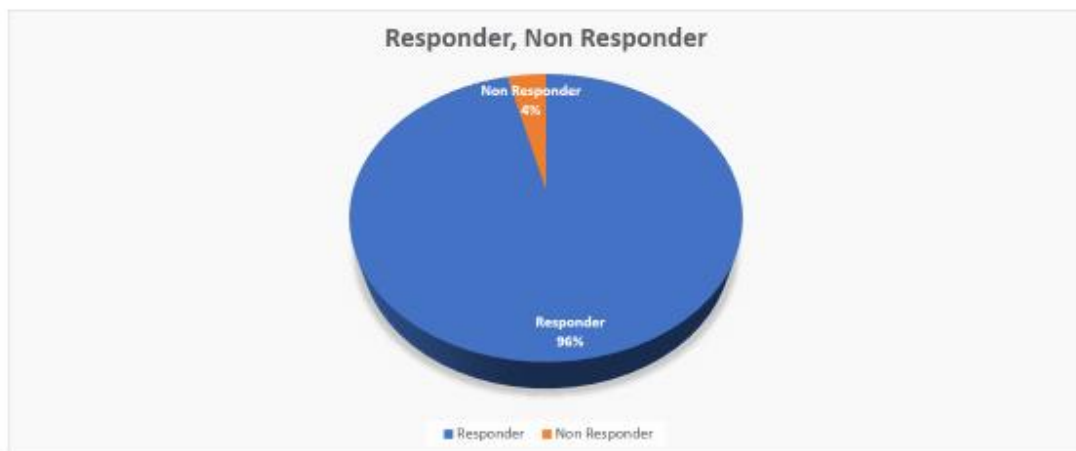
## PCR



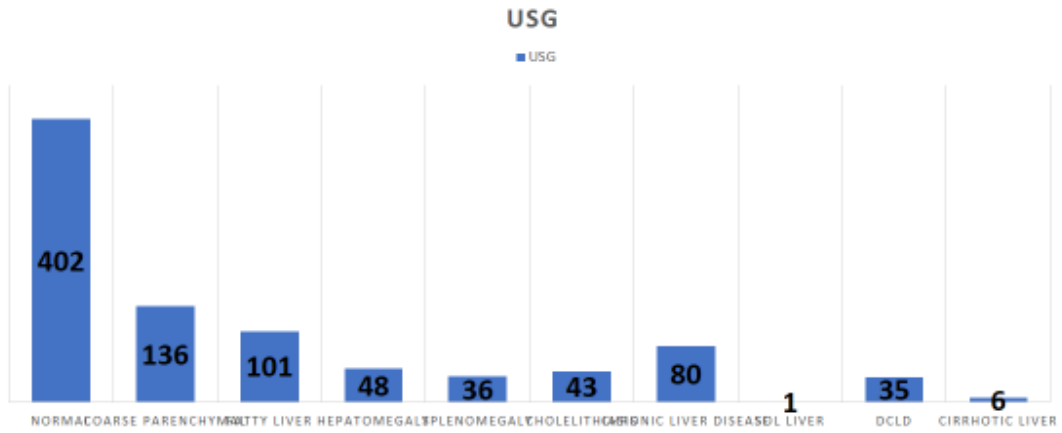
## ETR Achieved, not Achieved



## Responder, non responder



# USG





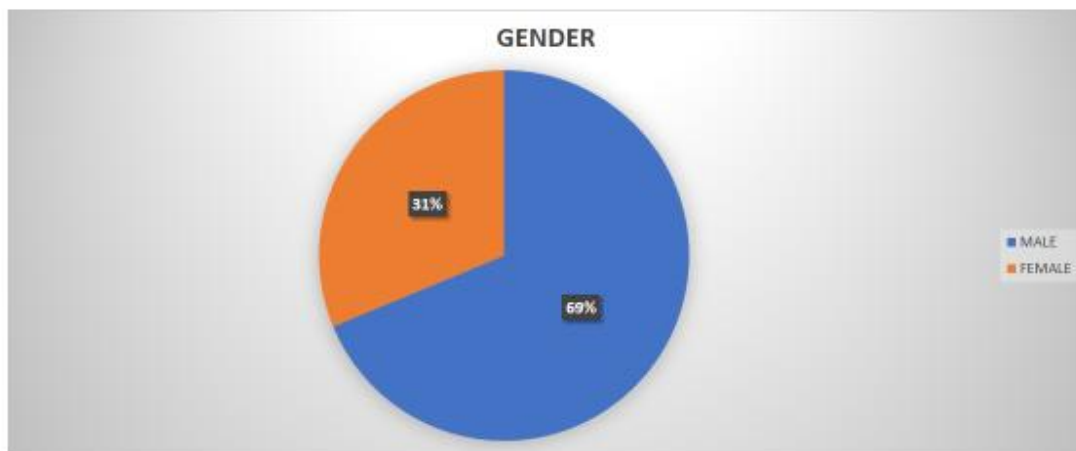
## HCC AUDIT 2020

TOTAL PATIENT = 64

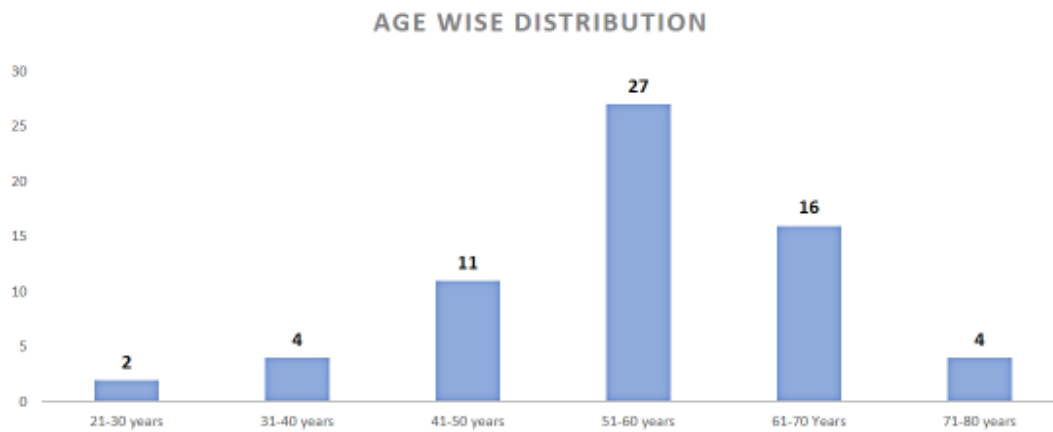
MALE = 44

FEMALE = 20

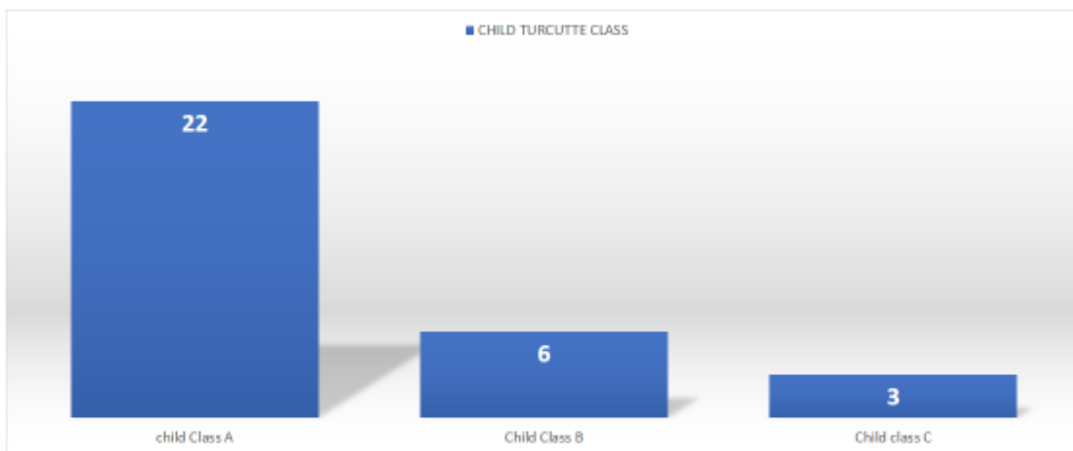
## GENDER



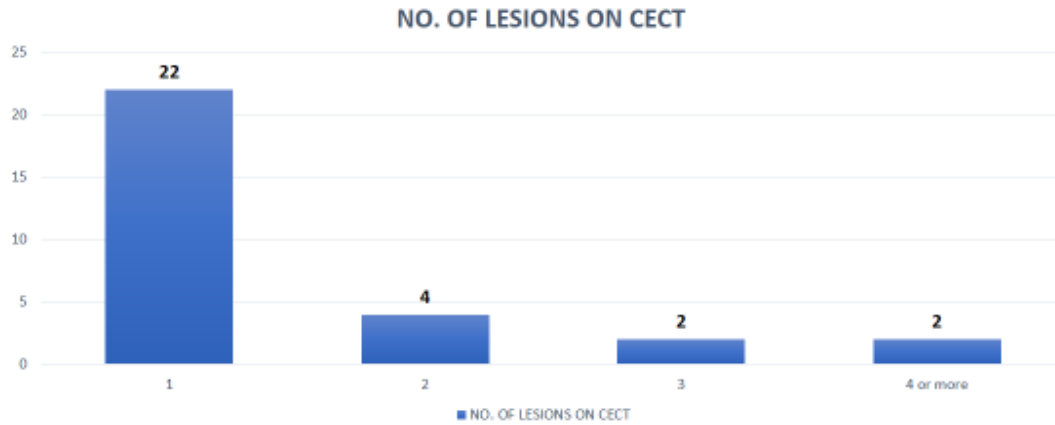
## AGE WISE DISTRIBUTION



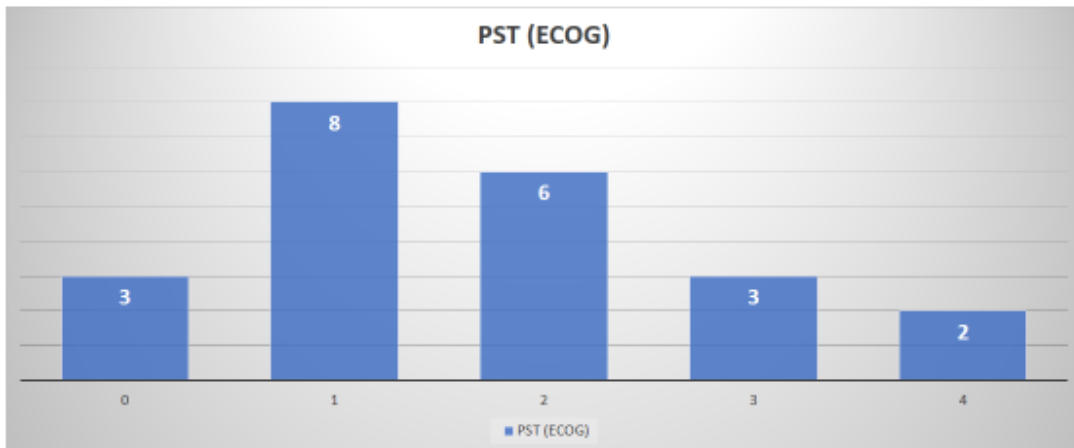
## CHILD TURCUTTE CLASS



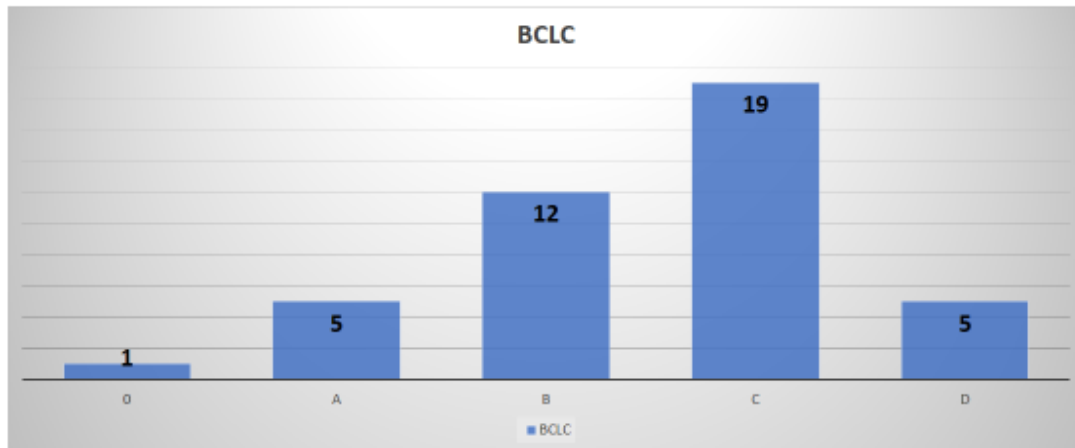
## NO. OF LESIONS ON CECT



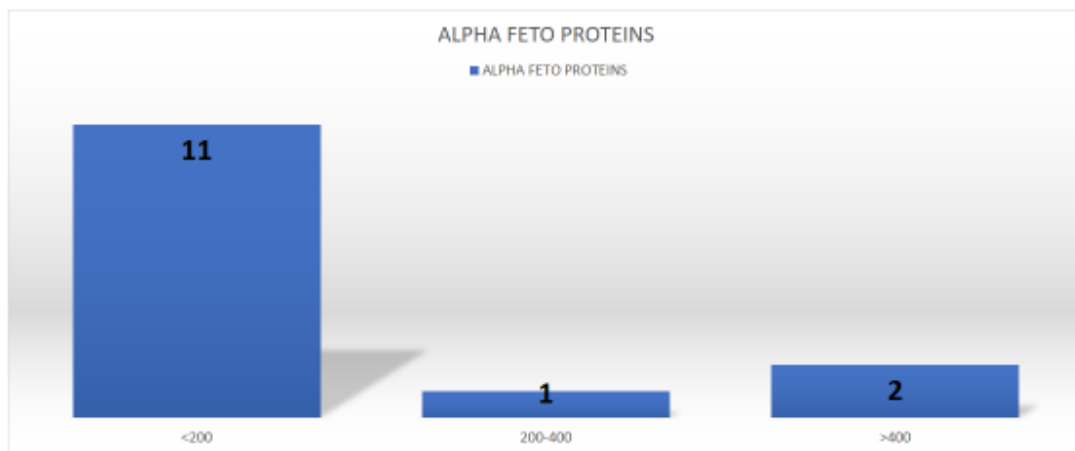
## PST (ECOG)



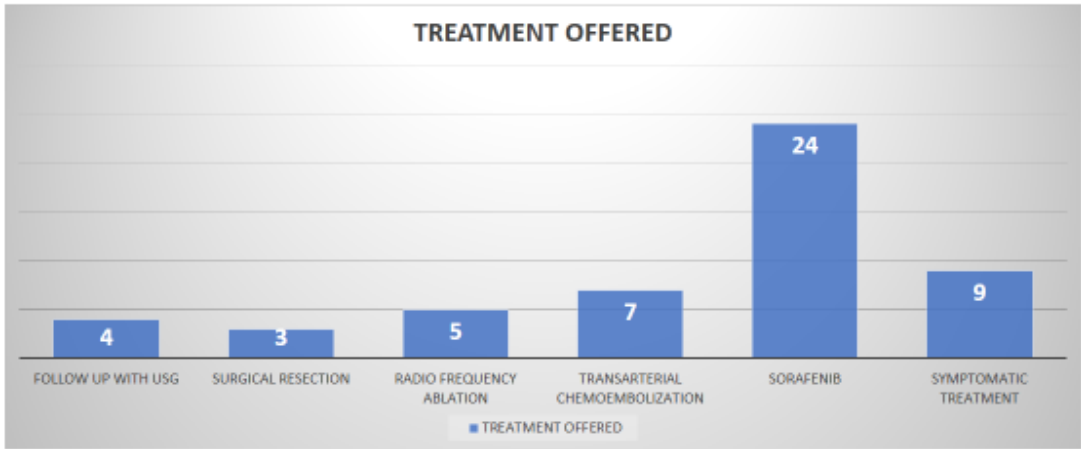
## BARCELONA CLINIC FOR LIVER CANCER



## ALPHA FETO PROTIEN



# TREATMENT OFFERED



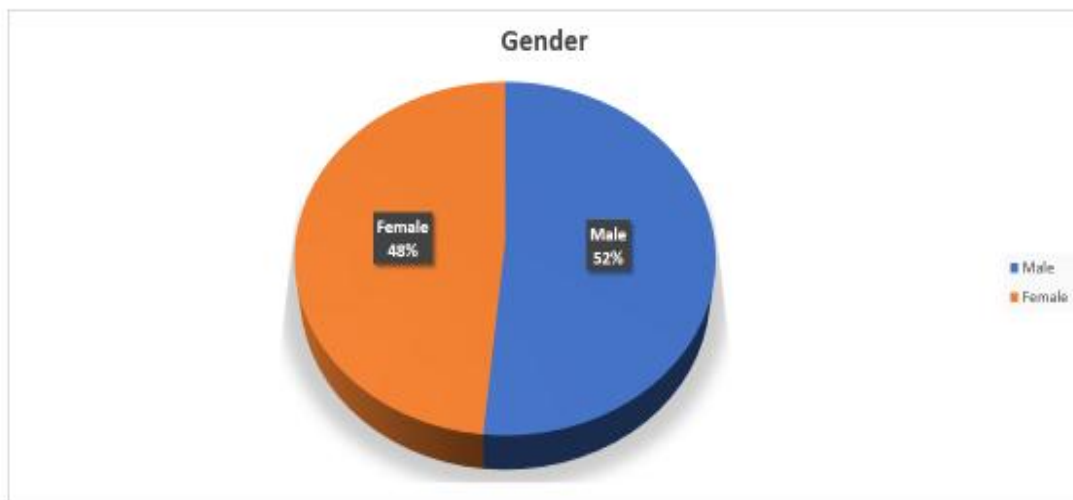
# IBD AUDIT 2020

Total Patients: 33

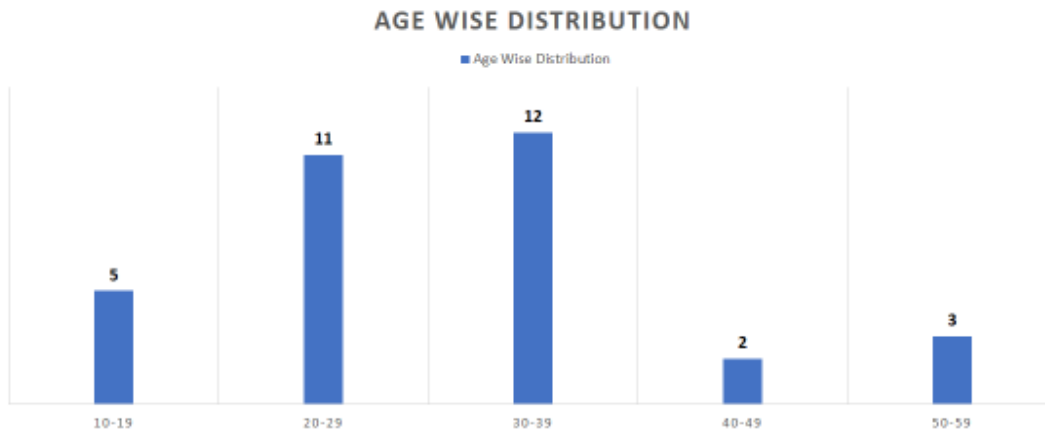
Male: 17

Female: 16

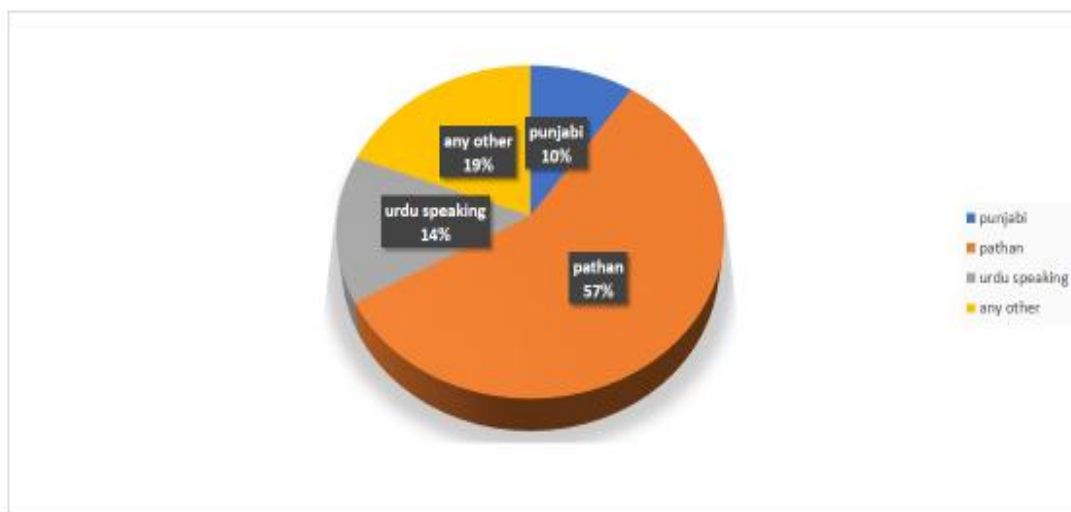
## Gender



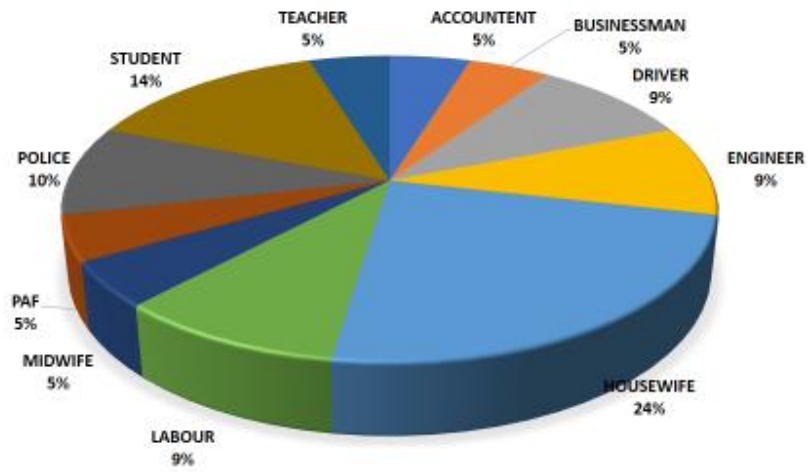
## Age Wise Distribution



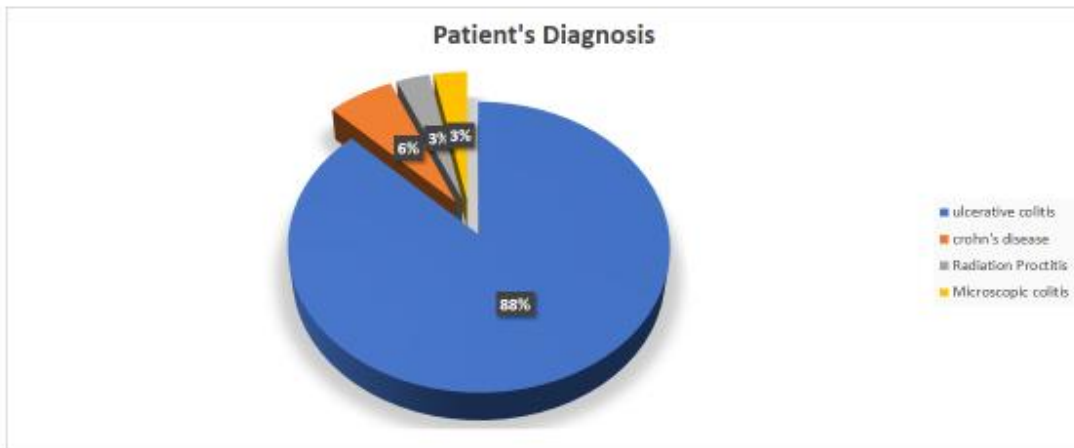
## Race of Patient



## Patient's Profession

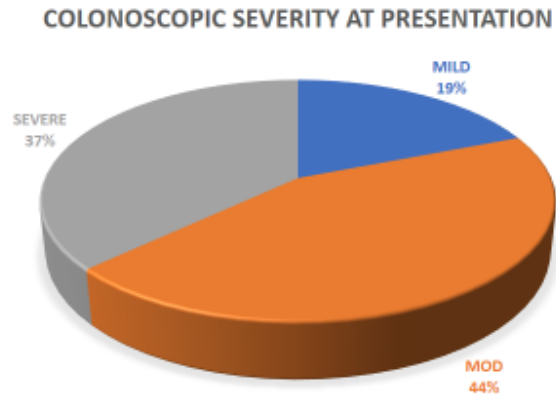


## Patient's Diagnosis

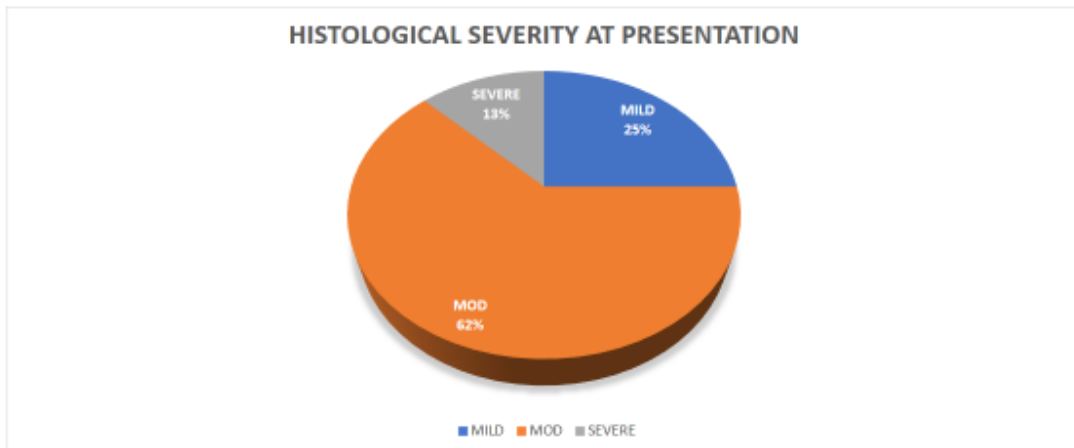




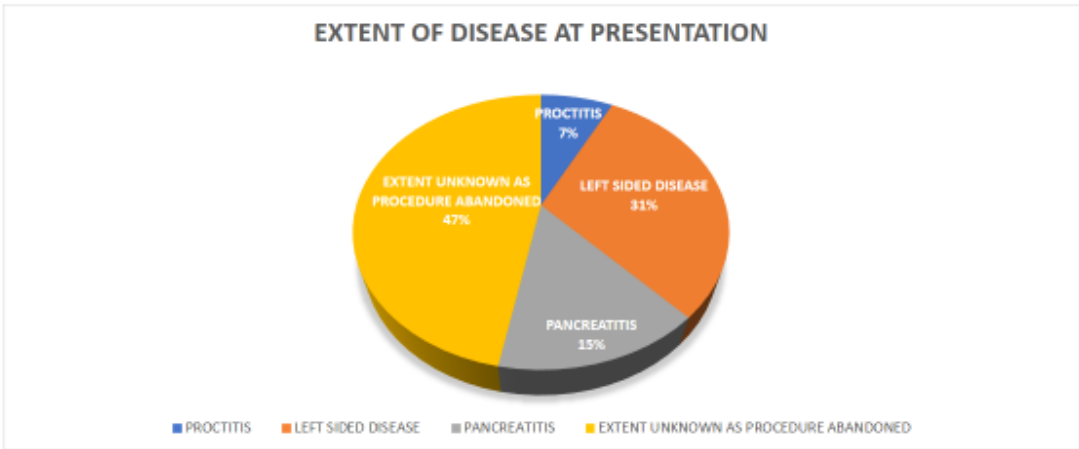
## COLONOSCOPIC SEVERITY AT PRESENTATION



## HISTOLOGICAL SEVERITY AT PRESENTATION



# EXTENT OF DISEASE AT PRESENTATION



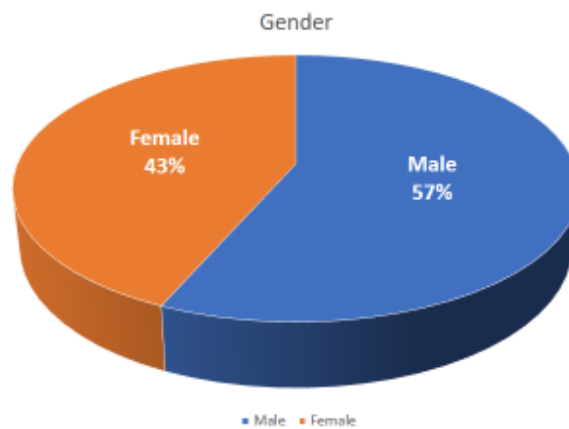
# Treatment Offered



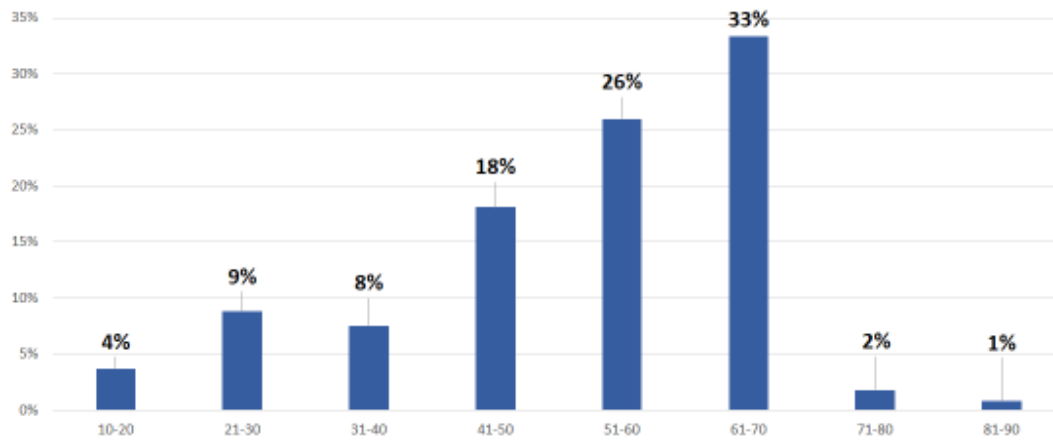
# ER AUDIT 2020

Total No of Patients	624
Male	353
Female	271

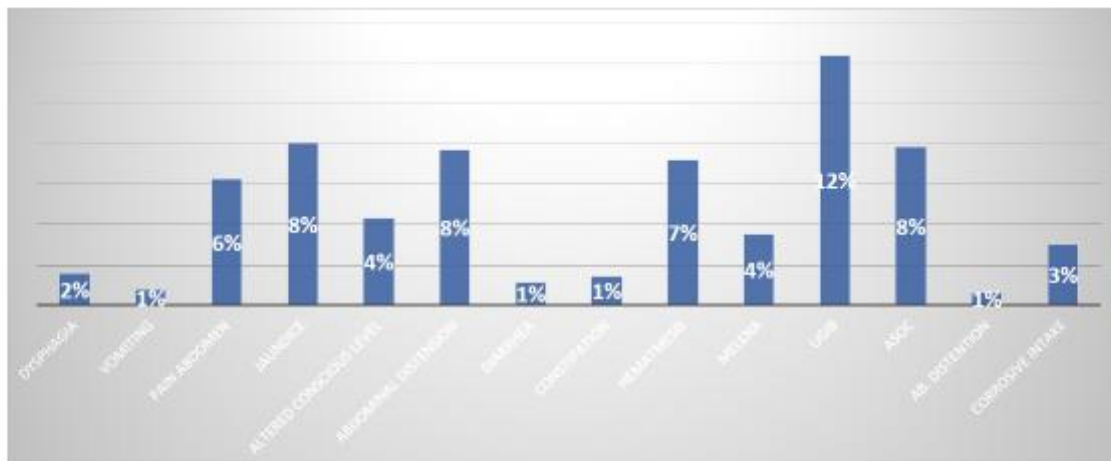
## GENDER



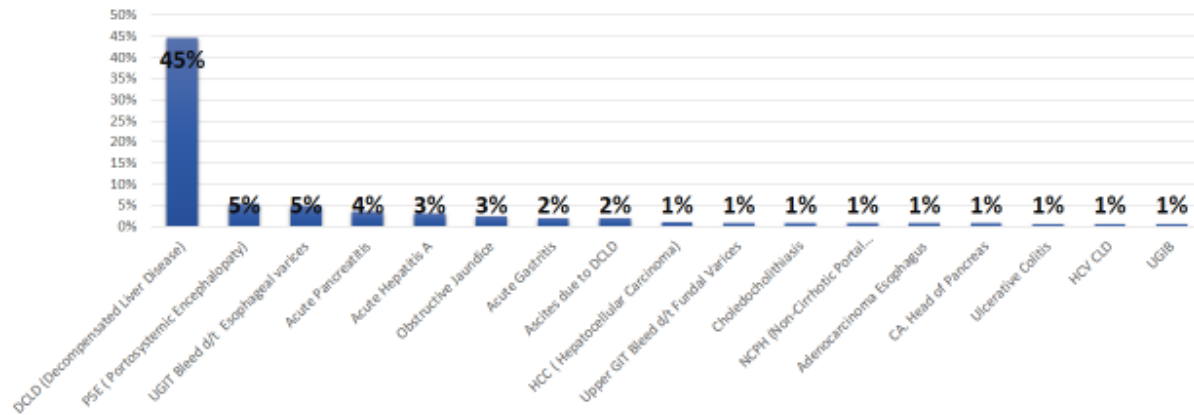
## AGE WISE DISTRIBUTION



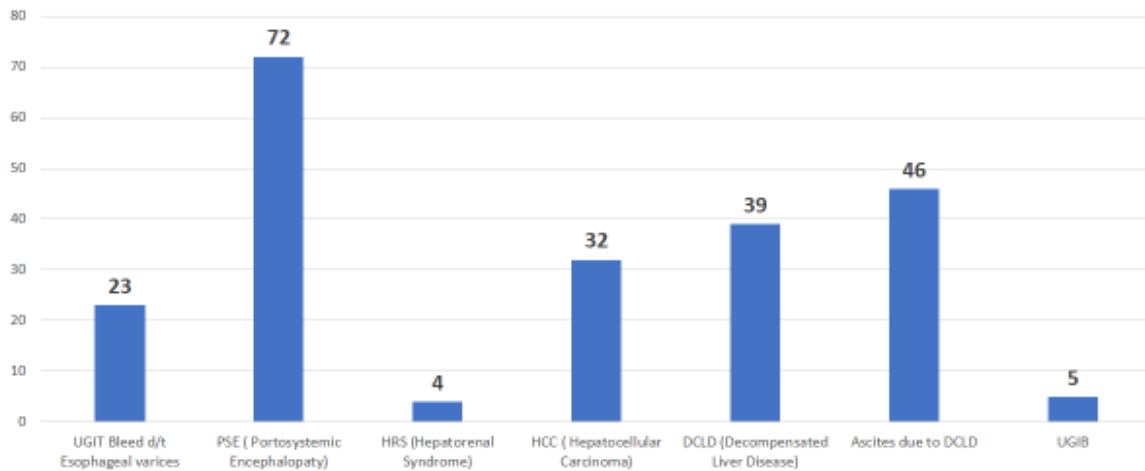
## PRESENTING COMPLAINTS



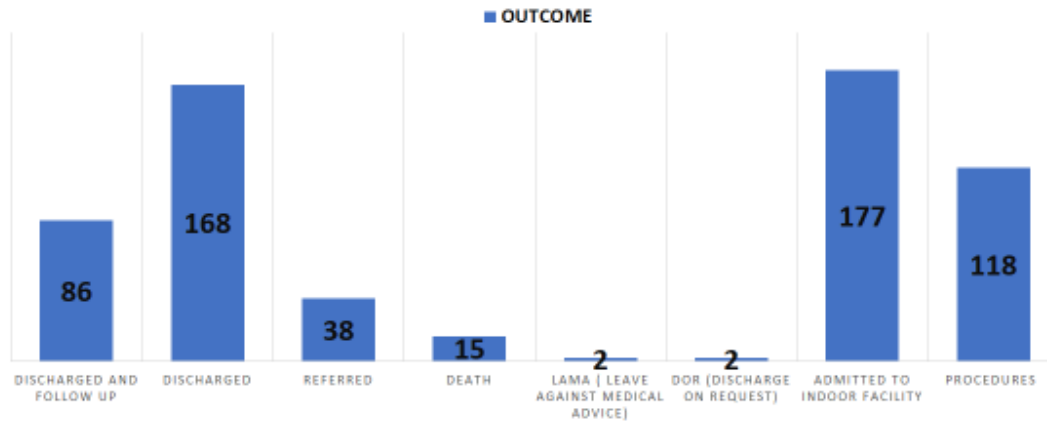
## PRIMARY DAIGNOSIS



## SECONDARY DIAGNOSIS



# OUTCOME



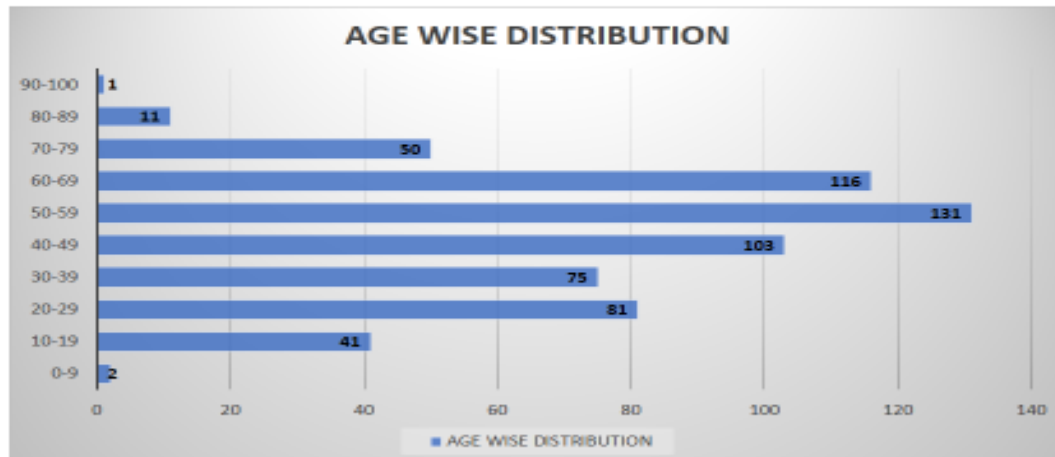
## Gastro Ward Audit 2020

Total No of Patients	611
Male	319
Female	292

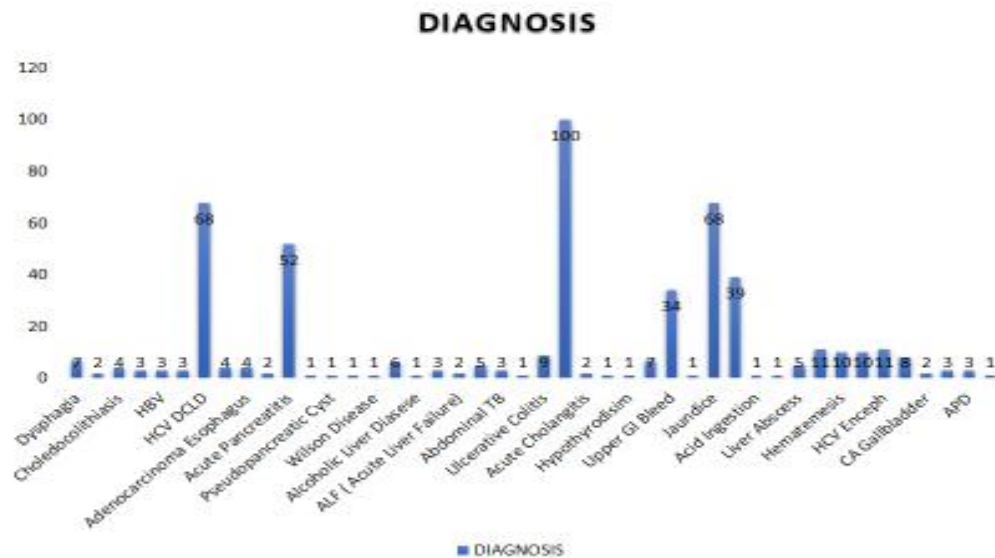
## Gender Wise Distribution



## AGE WISE DISTRIBUTION

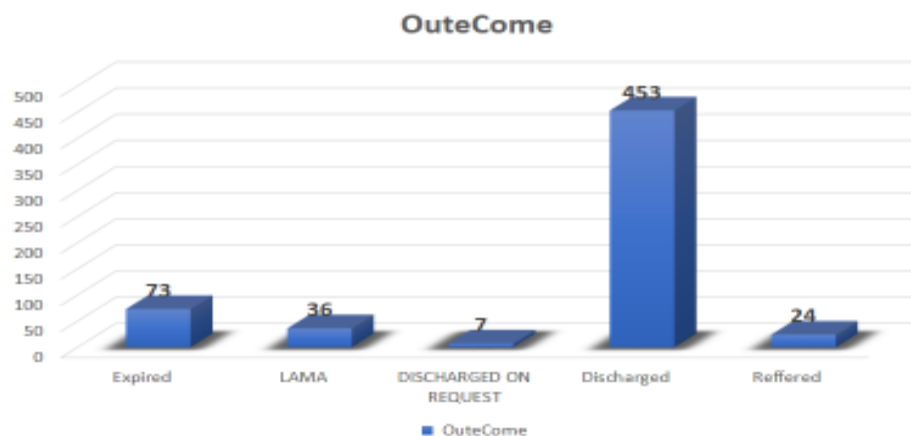


## DIAGNOSIS





## Outcome



## RESEARCH PAPERS PUBLISHED IN 2020

Sr #	TITLE	PUBLICATION DETAILS
1	Effects of a high-dose 24-h infusion of tranexamic acid on death and thromboembolic events in patients with acute gastrointestinal bleeding (HALT-IT): an international randomised, double-blind, placebo-controlled trial	The Lancet. VOLUME 395, ISSUE 10241, P1927-1936, JUNE 20, 2020.
2	View of acute pancreatitis severity scoring index: Prospective study to identify determinants in Pakistan	Journalrmc.com/index.php/JRMC/article/view/1412/1068
3	View of Comparing efficacy of Rifaximin plus Lactulose vs. Lactulose in treating Hepatic Encephalopathy	Journalrmc.com/index.php/JRMC/article/view/1418/1125
4	Efficacy and safety of generic sofosbuvir plus daclatasvir and sofosbuvir/velpatasvir in HCV genotype 3-infected patients: A real-world results from Pakistan	Front. Pharmacol. doi: 10.3389/fphar.2020.550205(provisionally accepted 17 Aug 2020)
5	comparison and efficacy of rifixamine plus lactulose vs lactulose alone in treating hepatic encephalopathy	