



ISLAMIC REPUBLIC OF IRAN

In the name of GOD

Research Affairs

Disease Registry Unit



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Annually report of Disease Registry Program

Title of Registry Program	Registration of patient in Tehran Obesity Treatment Center
Main director of registry	DR. MARYAM BARZIN (MD, PhD)
Organization/Research center/ Hospital/Department:	Research Institute For Endocrine Sciences
Accept Date	25 Jan 2020

1. How many annual second reports? About 500 reports annually
2. Second Report date: 1 Nov 2020

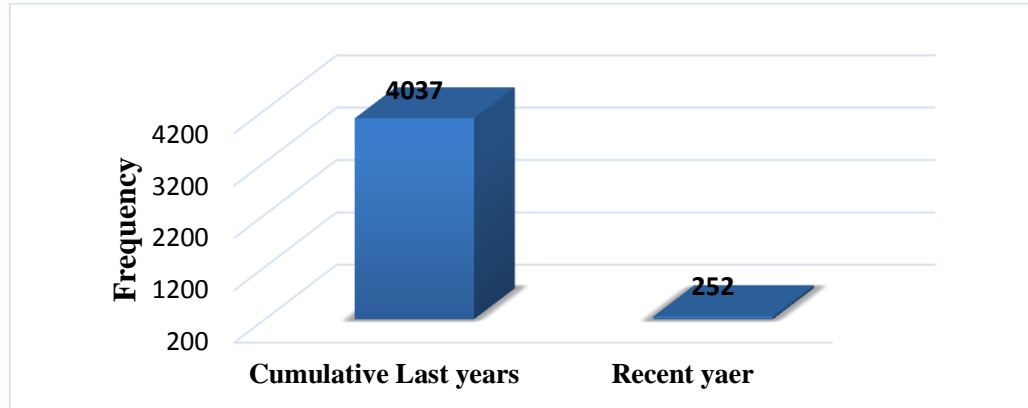
3. Steps taken so far (according to the action plan): (Specifically for deployment and commissioning centers):

- Tehran Obesity Treatment Study (TOTS) is a prospective study of morbidly obese patients referring to our specialized treatment center to undergo bariatric surgery.
- The study population was 4309 patients, aged 18 to 65 years receiving either LGB (one-anastomosis gastric bypass and Roux-en-Y gastric bypass) or LSG (laparoscopic sleeve gastrectomy) from March 2013 to Sep 2020, due to BMI of > 40 or $> 35 \text{ kg/m}^2$ in the presence of at least one obesity-related comorbidity (diabetes mellitus, hypertension, and dyslipidemia).
- From March 2020 to Sep 2020 about 252 patients have been registered in the database.
- The follow-up rates for third and fourth year after surgery have been increased from 45 to 60% and from 30 to 39%, respectively.

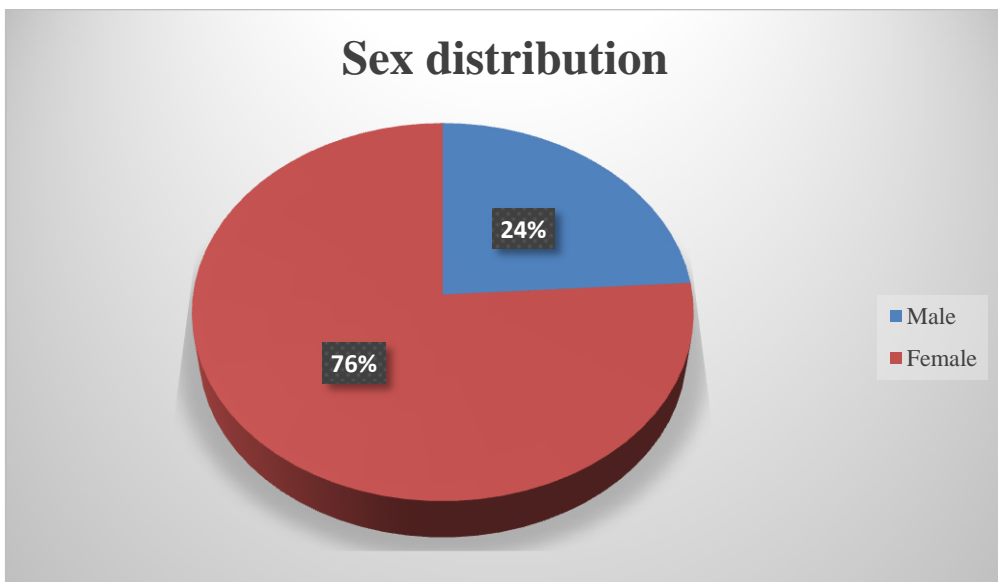
Percent of reported cases over expected cases:

Regarding COVID-19 pandemic, the bariatric surgery as an elective surgery has been decreased in all the world and our center as well. Therefore we are not reaching our expected cases in the end of current year (700 cases).

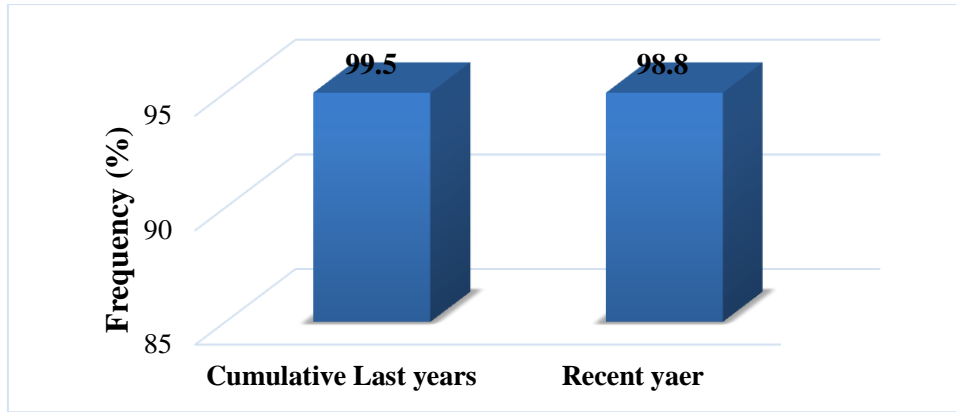
1. Absolute Frequency Report of the recorded cases in the recent years



2. Sex distribution of recorded cases



3. Percent of reported cases over expected case:

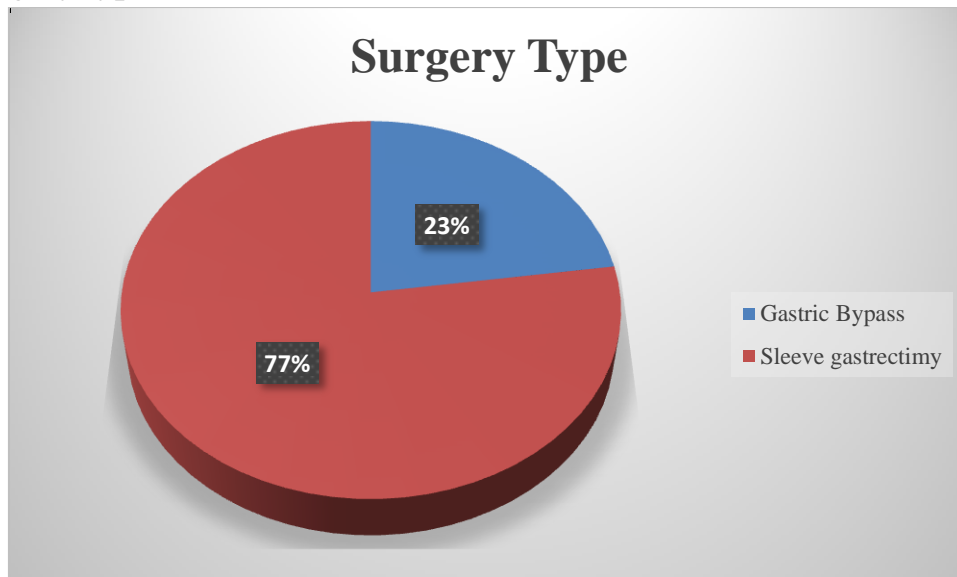


	No of total surgery	No of recorded cases	Percentage
Cumulative last years	4054	4037	99.5
Recent year (till November 2020)	255	252	98.8
Expected cases till end of 2020	500	-	-

$$\text{cumulative last years} = \frac{\text{number of reported cases in last years:4037}}{\text{number of expected records in last years:4054}} \times 100 = 99.5$$

$$\text{recent year} = \frac{\text{number of reported cases in recent year:252}}{\text{number of expected records in recent year:255}} \times 100 = 98.8$$

4. Surgery type distribution based on recorded cases



5. Published articles

No	Title of article	Published year	Journal / Congress	authors
1	Nutrient Intake and Deficiency of Patients 1 Year After Bariatric Surgery: Tehran Obesity Treatment Study (TOTS)	2020 Feb 10	J Gastro Surgery IF: 2.8	Hosseini-Esfahani F, Khalaj A, Valizadeh M, Azizi F, Barzin M, Mirmiran P
2	Successful pregnancy and weight loss	2020 Feb 10	BMC	Khalaj A, Ghadimi F,

	management in a woman unknowingly pregnant at the time of bariatric surgery: a case report		Pregnancy & Childbirth IF: 2.5	Valizadeh M, Barzin M
3	Effects of bariatric surgery in different obesity phenotypes: Tehran Obesity Treatment Study (TOTS)	2020 Feb 30	Obes Surg. IF: 4 Q1	Barzin M, Mousapour P, Khalaj A, Mahdavi M, Valizadeh M, Hosseinpanah F.
4	Presence of CC Genotype for rs17773430 Could Affect the Percentage of Excess Weight Loss 1 Year After Bariatric Surgery: Tehran Obesity Treatment Study (TOTS)	2020 Feb 30	Obes Surg. IF: 4 Q1	Javanrouh N, Khalaj A, Guity K, Sedaghati-Khayat B, Valizadeh M, Barzin M, Daneshpour MS
5	The Relationship Between Preoperative Kidney Function and Weight Loss After Bariatric Surgery in Patients with Estimated Glomerular Filtration Rate ≥ 30 mL/min: Tehran Obesity Treatment Study	2020 May 30	Obes Surg. IF: 4 Q1	Barzin M, Aryannezhad S, Khalaj A, Mahdavi M, Valizadeh M, Ghareh S, Azizi F, Hosseinpanah F
6	Two-year outcomes of sleeve gastrectomy versus gastric bypass: first report based on Tehran obesity treatment study (TOTS)	2020 Jul 20	BMC Surgery IF: 1.8	Khalaj A, Tasdighi E, Hosseinpanah F, Mahdavi M, Valizadeh M, Farahmand E, Taheri H, Barzin M
7	One-year outcomes of bariatric surgery in older adults: a case-matched analysis based on the Tehran Obesity Treatment Study	2020 Jul 28	Surgery Today	Aryannezhad S, Khalaj A, Hosseinpanah F, Mahdavi M, Valizadeh M, Barzin M
8	Comparing the Efficacy and Safety of Roux-en-Y Gastric Bypass with One-Anastomosis Gastric Bypass with a Biliopancreatic Limb of 200 or 160 cm: 1-Year Results of the Tehran Obesity Treatment Study (TOTS) Treatment Study (TOTS)	2020 Sep 30	Obes Surg. IF: 4 Q1	Khalaj A, Mousapour P, Motamedi MAK, Mahdavi M, Valizadeh M, Hosseinpanah F, Barzin M
9	Dietary macro- and micro-nutrients intake adequacy at 6th and 12th month post-bariatric surgery	2020 Oct 12	BMC Surgery IF: 1.8	Ziadlou M, Hosseini-Esfahani F, Mozaffari Khosravi H, Hosseinpanah F, Barzin M, Khalaj A, Valizadeh M

6. published Books

Number	Title of book	Published year	authors

7. Workshops held

No	Title of Workshop	Participants	Organizer	Hold time	Hold location
1					

8. Seminars / conferences held

No	Title of Seminars / conferences	Type of Seminars / conferences	Participants	Organizer	Hold time	Hold location
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		international	national	regional				
1								
2								

Number of annual reports submitted to the University Disease Registry: Second (2)

Name and surname of the Main director of registry: Dr. Maryam Barzin

Date: 1 Nov 2020