

Background

In 2008, 10% of men and 14% of women in the world were obese (BMI≥30).

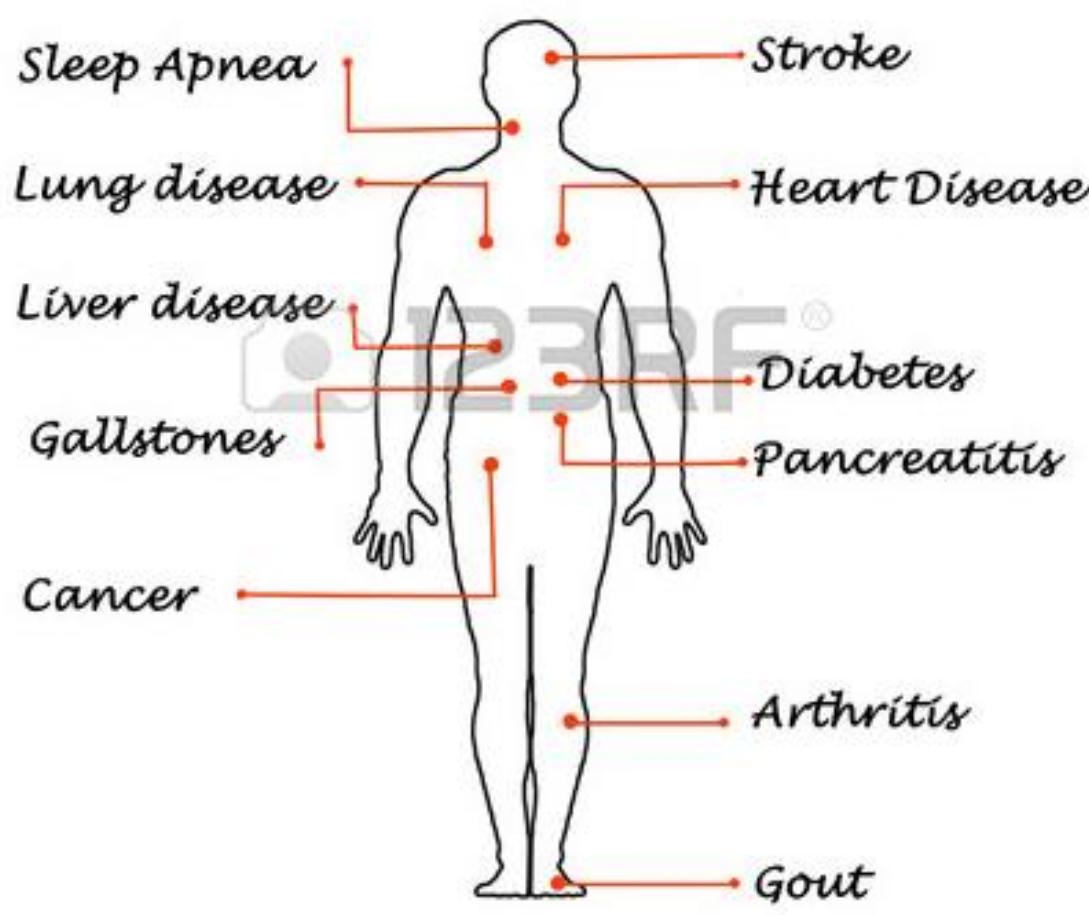
Obesity

⇒ complications requiring appropriate therapy

⇒ **BUT** modification of pharmacokinetic parameters

Recommendations for dosage adjustments ?

Complications of Obesity



Objectives

- Identify treatments introduced in a population of obese patients.
- Analyze recommendations in terms of treatments strategies and posologies.

Methods

- Retrospective analysis of medical histories of patients hospitalized in 2014 for sleeve in a visceral surgery department → listing main treatments prescribed.
- Literature review about therapeutic strategies or dosage adjustments to be made for the most prescribed molecules in this population.

Results

Patients characteristics

Number of included patients	241
Sex ratio (M/F)	0,16
Average age (years)	40.1 ± 11.7
Average BMI	43.3 [33-76]
Main medical comorbidities	Hypertension (50%) Asthma (21%) Gastric reflux (11%) Type 2 diabetes (11%)

Prescriptions characteristics

At least one prescription	153 patients
Average number of treatments	3,4
Most prescribed therapeutic classes	Antihypertensives (21%) Antiasthmatics (11%) Proton pump inhibitors (9%) Oral antidiabetics (9%)

All dosages were consistent with marketing authorization.

Literature review

Very few recommendations for dose adjustments in obese patients.

Hypertension

- Recommendations : inhibitors of the renin-angiotensin system and calcium channel blockers (1).
- In the population studied : 63.4% of patients with recommended drugs.

Gastric reflux

- Recommendations : rabeprazole (2).
- In the population studied : none of the patients received rabeprazole.

Type 2 diabetes

- Recommendations : metformine (3) and glimepiride (4).
- In the population studied : 84.6% of patients with recommended drugs.

Discussion

The main comorbidities found in the studied population are consistent with the literature, and the most prescribed therapeutic classes match these complications.

Conclusion

- For optimal care :
- Developing local recommendations with the surgery department.
 - Developing specific recommendations by medical societies on treatment strategies and dosage adjustments.

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