Treatment of Skeletal Class III in Adult Orthodontic Patients: Camouflage vs. Orthognathic Surgery. Is There Another Alternative?
50% of my patients are ADULTS
20% of whom are **Skeletal Class III**
My objective in this conference is to answer

3 QUESTIONS:

1. Should all of them be treated with Orthognatic Surgery?

2. Which cases can be treated only with orthodontics?

3. Is there any other alternative?
Skeletal Class III. Adults
CRANEOFACIAL MORPHOLOGY

If we analyze the craniofacial morphology of Skeletal Class III Adult Patients, we are going to see TWO main points in most articles -

1. The maxilla is shorter and retrusive
2. The mandible is larger and normally positioned

- Ellis E; McNamara JA; Am. J. Oral Maxillofac. Surg. 1984
- Guyer EC; Ellis E; McNamara JA; Angle Orthod. 1986
- Mouakeh M; Am. J. Orthod. 2001
Facial Aesthetics
For this reason, some patients have problems with their facial aesthetics.
- Concave Profile
- Lack of malar support
- Prominent Chin
Many of the patients have dental compensations such as **upper incisors proclined** and **lower incisors retroclined** that can sometimes compromise the dental compensation/camouflage.
1. Should all of them be treated with Orthognatic Surgery?

NO

I believe this is only necessary for patients with an initial Wits Appraisal of less than -7 mm and patients who are looking for significant facial changes.
Significant Facial Changes

Le Fort Advancement
2. Which cases can be treated only with orthodontics?

I believe that this is possible in patients with a Wits Appraisal greater than -7 mm who do not want significant facial changes and who don’t have excessive retroinclination of the lower incisors.
- Skeletal Class III

**SNA : 77°**
**ANPg : - 4 mm**
**Wits : -7mm**

-Dolicofacial
  SN/ GoGn 40°

-MAX.INC. INCLINAT
  117°
-MAND. INC. INCLINAT
  94°

  -1/ Apg  9 mm
Is there any other alternative without the retrusion of the lower incisors?

YES!

I believe we can perform SARPE+ FORWARD TRACTION.
The indications for me to perform this is when the patient doesn’t want any significant facial changes, they reject orthognatic surgery, they want a cheaper alternative, they prefer local anesthesia and camouflage is not indicated.
Alicia, 29 years
Smile Aesthetics, Occlusion
Transversal Hypoplasia of the Maxilla
Sagittal Hypoplasia of the Maxilla

She rejected Orthognatic Surgery

WITS -10 mm
SARPE
Local Anesthesia and sedation
SNA > 3.5 °