


**CLINICA
REMENTERIA**

A NEW APPROACH TO ACCOMODATIVE
ESOTROPIA (SESION 8)
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**A NEW APPROACH TO
ACCOMODATIVE ESOTROPIA**



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REMENTERIA**

Infantile esotropia

Onset before 6 months.

Most infants with congenital squint are capable of developing fusion if the deviation is fully corrected before the age of two.

Duration of strabismus is the major determinant of sensory outcomes.

In our practice is very difficult to do a surgery under 2 due to:

1. Measurement uncertainty
2. Unstability of deviation
3. Presence of amblyopia
4. Possibility of spontaneous resolution
5. Anesthetic risk

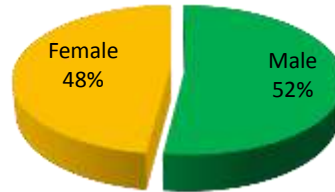
DEMOGRAPHIC DATA

Retrospective study

Patients: 407

Finally selected: 280

•Minimum follow-up of 1 month



Visual acuity (Snellen chart as possible)	0,72 (0,27)
Stereopsis (Randot test)	63,38 (125,21)
Deviation (prism diopters)	7,42 (9,60)
Age at diagnosis	4,87 (3,45)
Follow-up	38,23 (95,63) months
Sphere (cycloplegic)	+4,92 (1,70)
Astigmatism	-0,99 (0,88)

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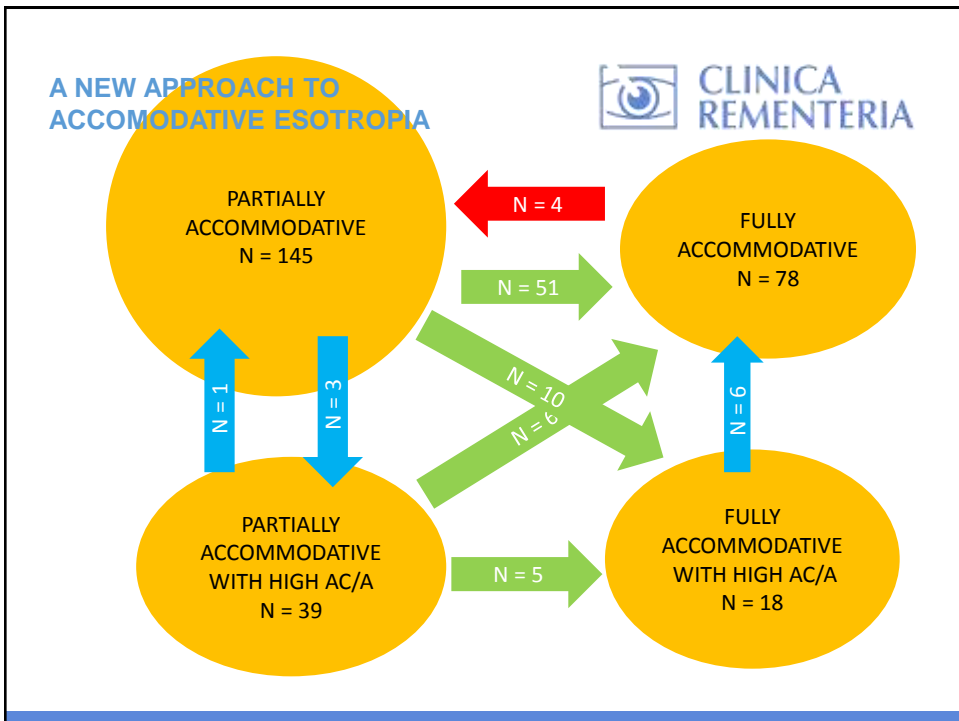
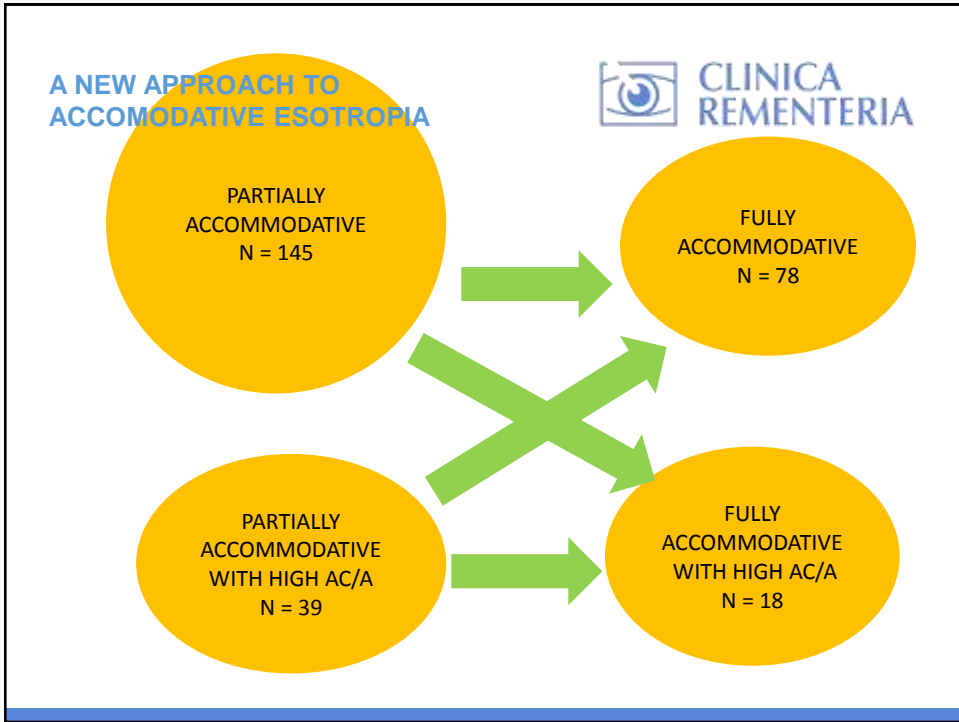
Classical classification:

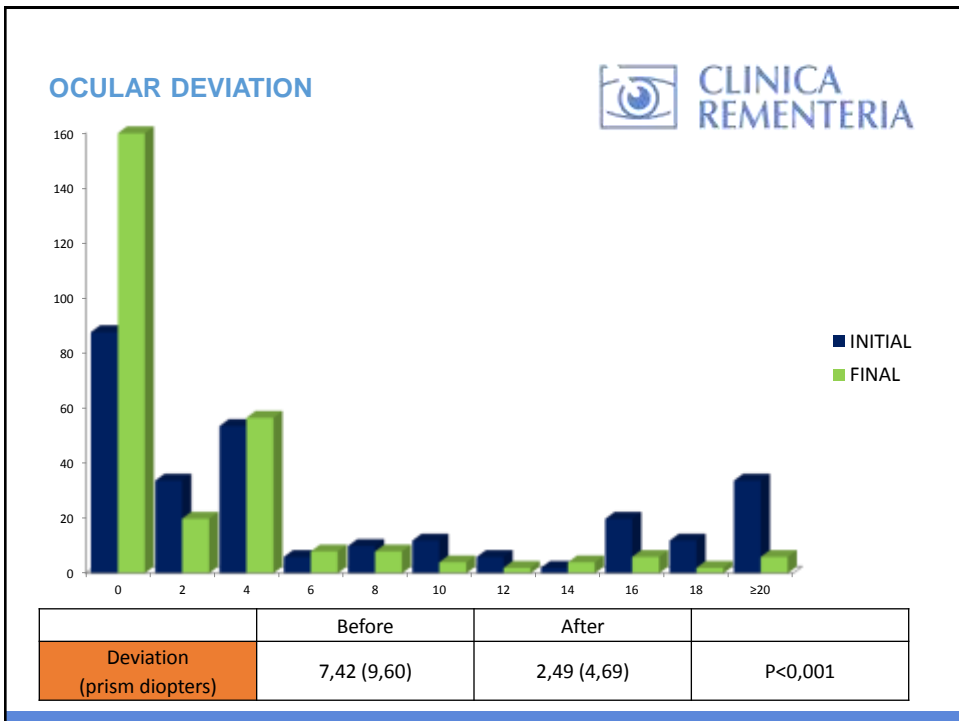
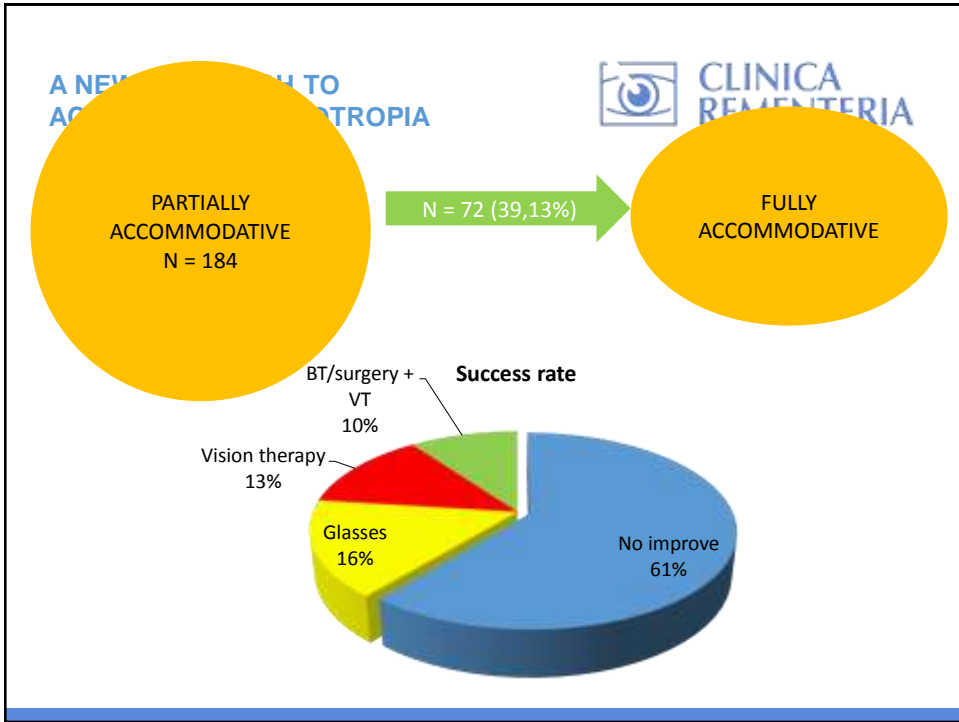
1. Fully accommodative
2. High AC/A ratio accommodative
3. Refractive esotropia with high AC/A ratio
4. Early-onset esotropia

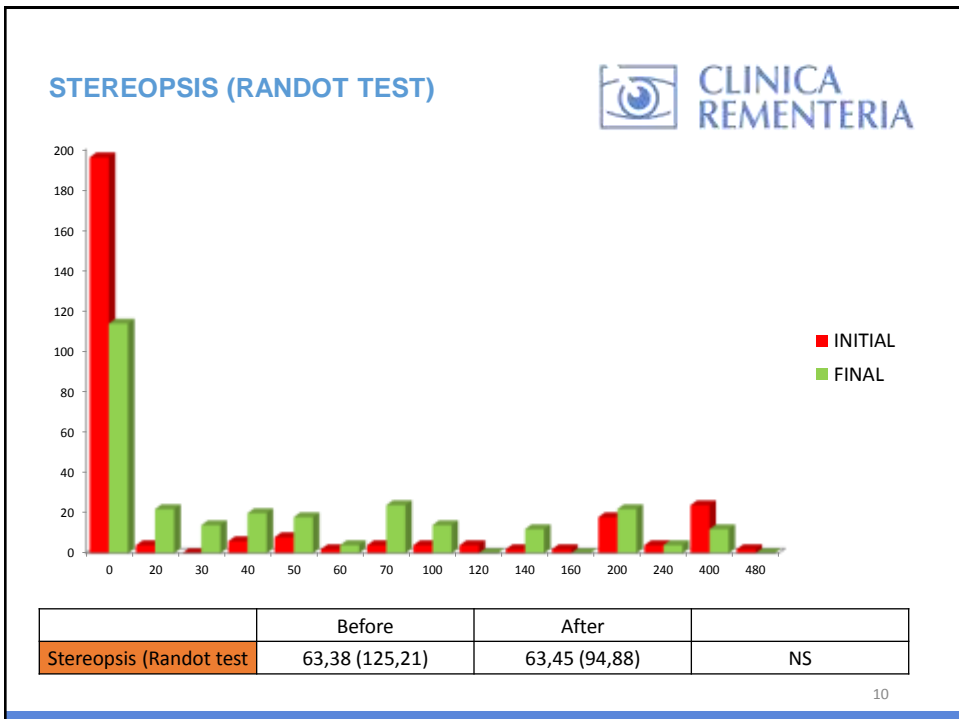
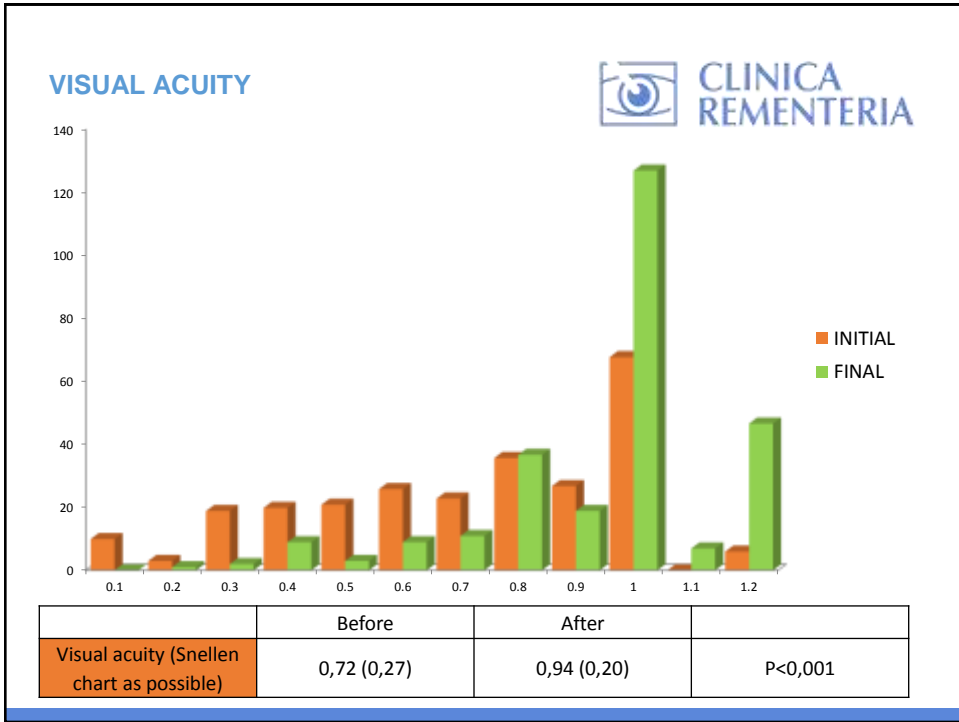
Own classification:

1. Fully accommodative (fusion and stereopsis $\geq 200''$)
2. Fully accommodative with high AC/A ratio
3. Partially accommodative (nor fusion nor stereopsis $\geq 200''$)
4. Partially accommodative with high AC/A ratio

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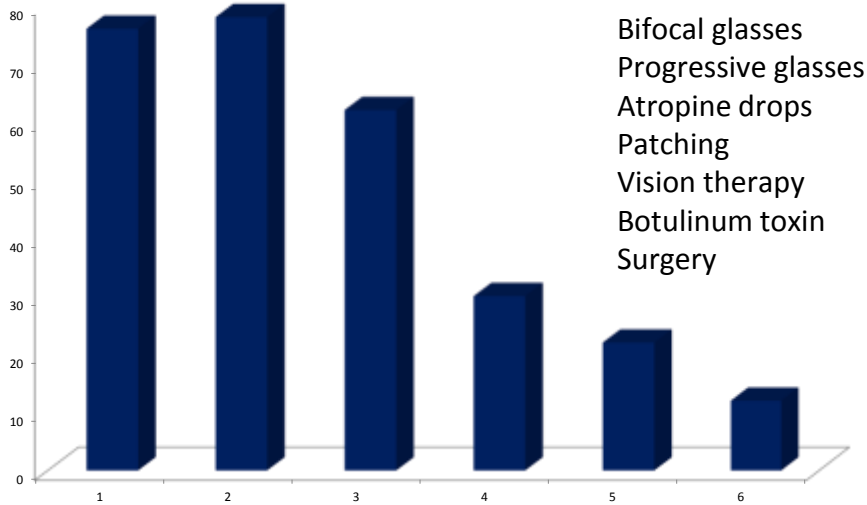


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	Improved	Worse	Without changes
Visual acuity	68,4%	6,6%	25%
Stereopsis	52,1%	6,4%	41,4%
Deviation	41,7%	3,6%	54,7%

NUMBER OF TREATMENTS



- Bifocal glasses
- Progressive glasses
- Atropine drops
- Patching
- Vision therapy
- Botulinum toxin
- Surgery

INDICATORS OF SUCCESS



	Success
Number of treatments	NS
Surgery	NS
Vision therapy	NS
Previous visual acuity	NS
Age	NS
Time of follow-up	NS
Sex	NS
Previous deviation	p<0.001
Amblyopia	NS
Anisometropia	NS
Previous sphere	NS
Comorbidity	p=0.0019 ¹³

CONCLUSIONS



- Treatment over 2 years old can get a good rate of success.
- Success rate (no deviation in the cover test and stereopsis $\geq 200''$) can be up to 39%.
- In my opinion, up to 23% depends on vision therapy.
- With different treatments, visual acuity and ocular deviation improve.
- In our analysis, only previous deviation and comorbidity have been indicators of success.

