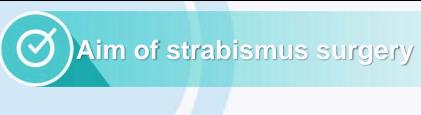




I have no financial interest to disclose

Mathematical model "Strabo" was invented by my Teacher and Head of Pediatric Eye Clinics "Yasnyi Vzor" and is used during all strabismus surgeries in clinic

3



To achieve a maximal accuracy











Dosage techniques:

- Parks M
- Kaufmann H
- Kushner BJ
- Scott W,
- Keech R, Mash A
- · Makhkamova H
- Avetisov E
- Maruo et all

Frequency of **REOPERATIONS** varies between 10% - 50%

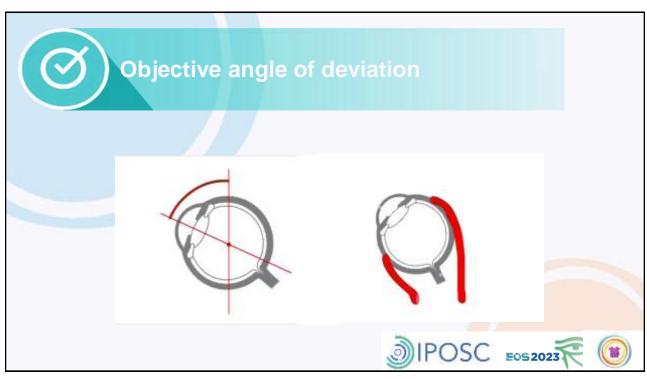
HYPEREFFECT – from 10% to 25%

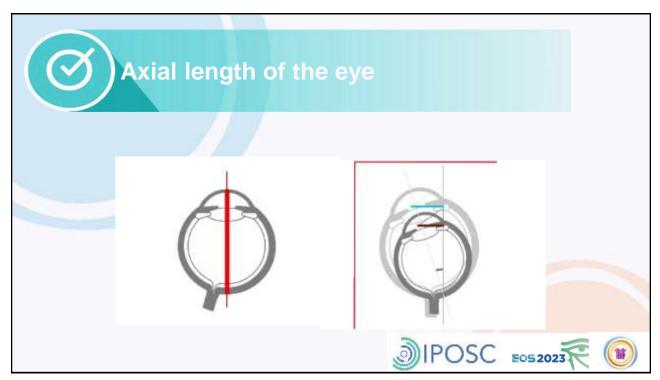


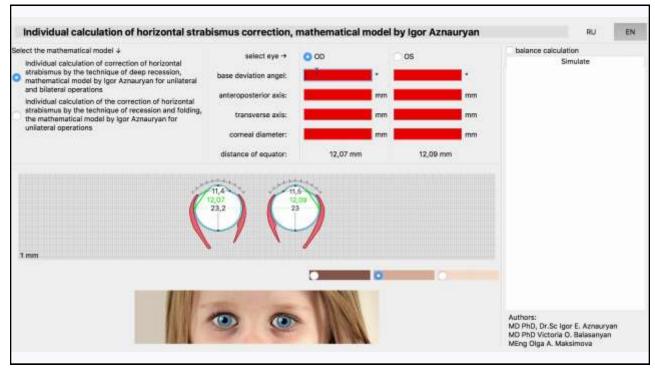




5







Comparison of the outcome of the surgery using our method and the standard method of surgery dosage (total number of patients - 1524)

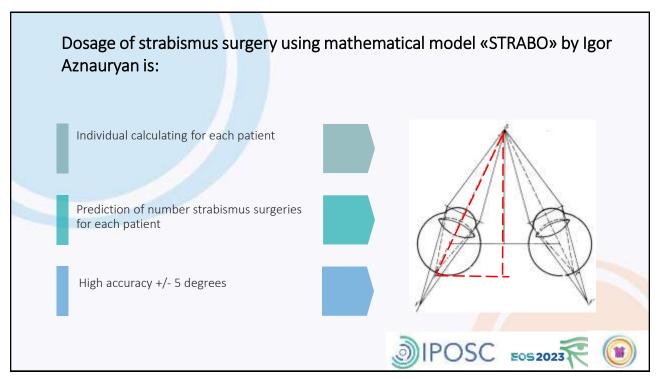
Mathematical model method (the proposed method of calculation)	Absolute value	Percentage %	
Orthotropy (from -5° to +5°)	1080	91,4	
Residual angle (more than 5°)	97	8,2	
Hypereffect (more than 5°)	5	0,4	
Total	1182	100%	

Common method of calculation	Absolute value	Percentage %
Orthotropy (from -5° to +5°)	221	64.6
Residual angle (more than 5°)	114	33.4
Hypereffect (more than 5°)	7	2
Total	342	100%

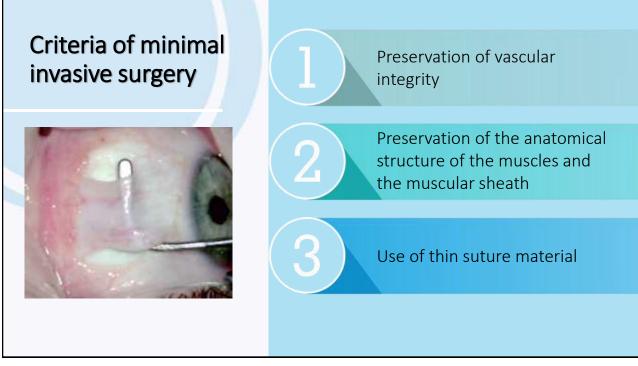














Radio wave knife

National Action 1988

Radio wave knife

National Action 1988

Radio wave knife

National Action 1988

National Act





Results

Criterion	Conventional surgery technique (n=1525)			Minimal invasive surgery technique (n=982)			
Conjunctival	√ Lo	w	X High	√ Low)	(High	
and eyelid edema	428 (28.1%)		1097 (71.9%)	926 56 (94.3%) (5.7%)		~ ~	
Hyperemia	√ Lo	w	X High	√ Low)	X High	
	346 (22.79		1179 (77.3%)	932 (94.9%)	(50 (5.1%)	
Post-operative rehabilitation time (before allowed to attend school)	Up to 3 days	Up to 7 day	up to 10 days	Up to 3 days	Up to 7 days	Up to 10 days	
	5 (0.4%)	641 (42%)	879 (57.6%)	278 (28.3%)	606 (61.7%)	98 (10%)	







