

## INTRODUCTION

Transsphenoidal surgery (TSS) is a treatment of choice for Cushing's disease (CD), whose effectiveness range is from 70 to 90%. Recurrence rate after successful treatment is about 25%. Preoperative predictors of remission and recurrence are still unexplored what leads to further investigations.

### AIM

Analysis of remission and recurrence rates of CD after radical treatment according to preoperative MRI.

We analyze remission rates in groups after treatment according to preoperative MRI. There were no significant differences in remission rates after treatment between groups (p=0,21 и p=0,83 respectively, x2 analysis). Data is presented in Table 1.

# METHOD

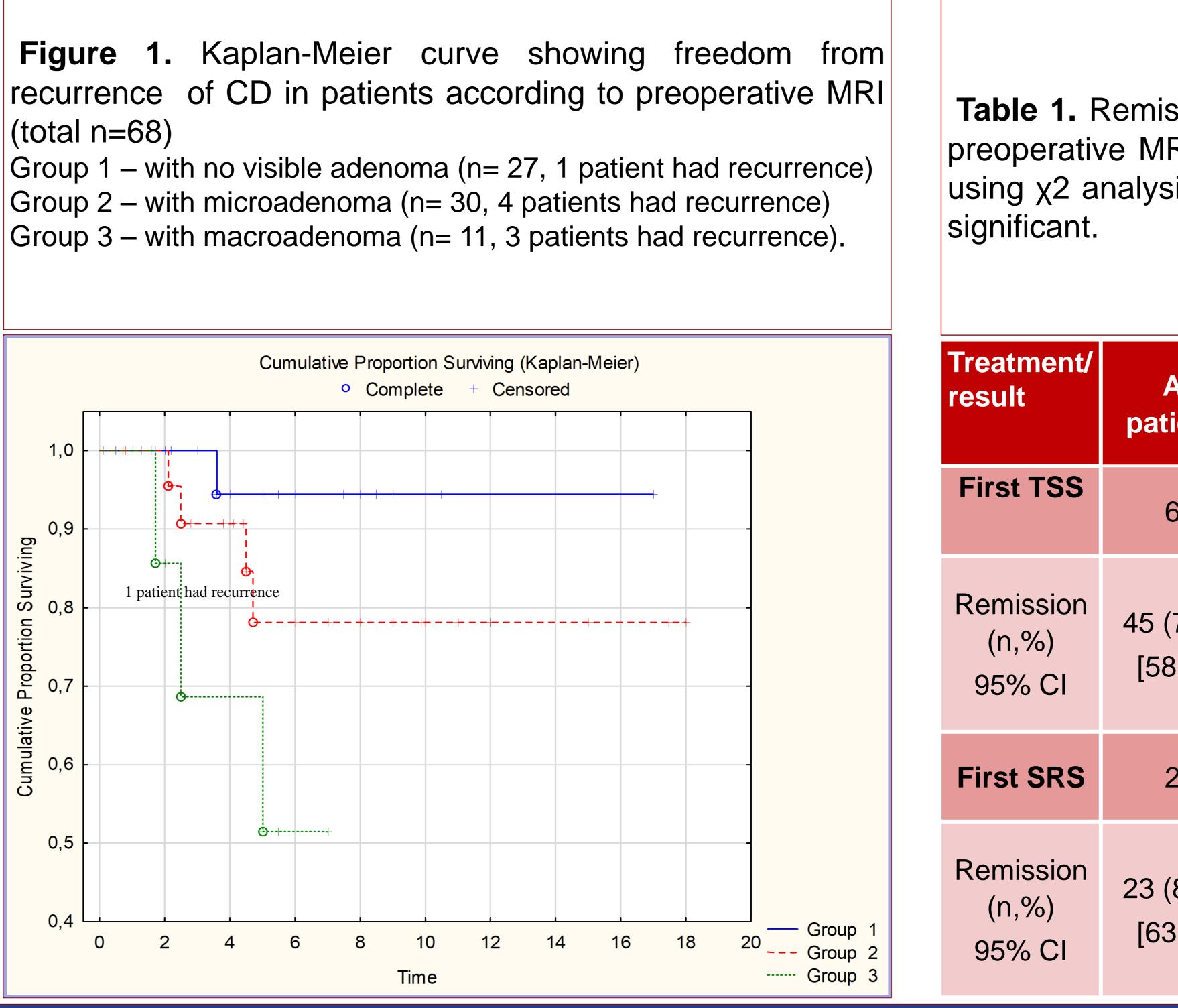
Patients were divided into 3 groups according to preoperative **MRI results:** Total N=91 Group 3 Group 1 Group 2 (with (with no (with macroadeno visible microadeno ma) adenoma) ma) N=13 N=37 N=41

# Cushing's disease treatment results correlation with pituitary MRI in children

E. YANAR, N. MAKAZAN, M. KAREVA, A. VORONTSOV, V. VLADIMIROVA, V. PETERKOVA Endocrinology Research Centre, Moscow, Russian Federation

## RESULTS

Analysis recurrence rates in groups showed that there were no significant differences in time to recurrence of CD in patients according to preoperative MRI (p=0,054, x2 analysis) (Figure 1).



CONCLUSIONS

Our study didn't show any differences in remission rates and time to recurrence after successful treatment according to preoperative MRI

# **CONTACT INFORMATION**

edayanar@mail.ru

**Table 1.** Remission rates after 1st line of treatment according to
 preoperative MRI. Comparisons between groups were calculated using  $\chi^2$  analysis. A P value of <0,05 was considered statistically

ll	No visible	Micro-	Macro-	Ρ
ents	adenoma	adenoma	adenoma	
3	19	32	12	
71%)	12 (63%)	23 (72%)	10 (83%)	0,21
;82]	[38;84]	[53;86]	[52;98]	
8	18	9	1	
32%)	15 (83%)	7 (78%)	1 (100%)	0,83
;94]	[59;96]	[40;97]	[25;100]	





