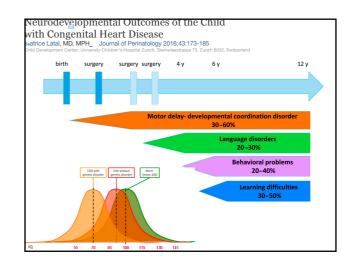
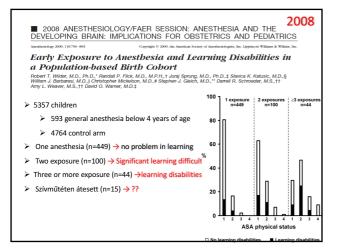


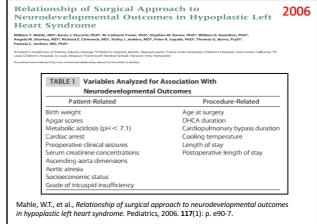


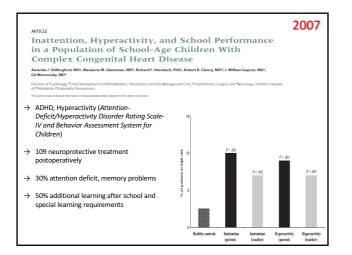
	Entire Cohort		
	Entire Cohort	< 24 months	> 24 months
	243	178	05
landicapped"	28 (11.0)	24 (13.5)	4 (0.2)
Problems at school Repeat one or more grades	117 (48.3) 73 (30.0)	94 (52.8) 51 (28.7)	23 (35.9) 22 (33.7)
3BCL 4–18	73 (30.0)	B1 (28.7)	22 (33.7)
Total problem score	18.0 (9.0-34.5)	19.0 (10.0-34.8)	17.0 (8.0-31.0)
Internalizing score	5.0 (2.0-11.0)	5.0 (2.0-11.0)	5.0 (2.0-10.0)
Externalizing score	4.0 (1.0-9.0)	4.0 (1.0-8.8)	4.0 (1.0-9.0)
Clinically deviant score†	54 (22.2)	41 (23.0)	13 (20.0)
idues represent medians (interquartile range) for			13 (200)

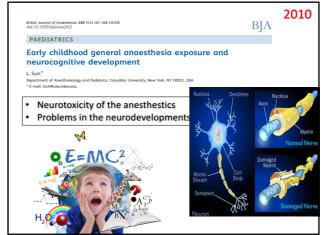




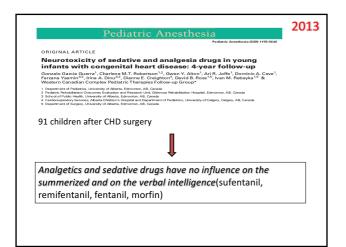




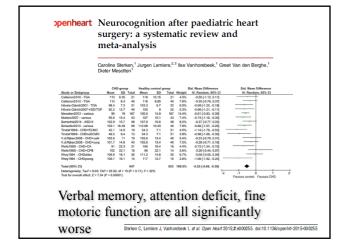


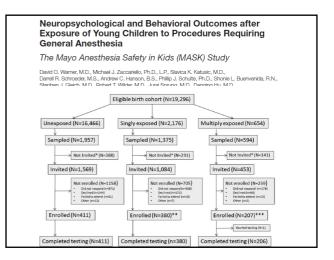






Antonia After Childhood Exposure to Anesthesia weekhes diaple woodone nurvaderenniko ad bingtom ognitud diaple woodone nurvaderenniko ad bingtom ognitud diaple woodone nurvaderenniko ad bingtom associated with anesthesia exposure have yidded mixed results. No stylingt nei da how und detected adengistered				
	Unadjusted, RR (95% CI)	Adjusted, aRR* (95% CI)		
Overall cohort				
CELF Total	2.31 (1.56-3.41)	2.11 (1.42-3.14)		
CELF Receptive	2.15 (1.37-3.37)	1.87 (1.20-2.93)		
CELF Expressive	1.84 (1.21-2.80)	1.72 (1.12-2.64)		
CPM Total	1.65 (1.12-2.43)	1.69 (1.13-2.53)		
Number of exposures				
CELF total				
Unexposed (0)	Reference	Reference		
Single exposure (1)	2.82 (1.74-4.57)	2.36 (1.47-3.79)		
Multiple exposure (#2)	2.49 (1.05-5.88)	2.68 (1.07-6.72)		
CELF receptive				
Unexposed (0)	Reference	Reference		
Single exposure (1)	2.99 (1.72-5.19)	2.41 (1.40 - 4.17)		
Multiple exposure (≥=2)	3.29 (1.37-7.89)	3.52 (1.38 - 9.00)		
CELF expressive				
Unexposed (0)	Reference	Reference		
Single exposure (1)	1.80 (1.03-3.15)	153 (0.88-2.66)		
Multiple exposure (#2)	2.27 (0.96-5.35)	2.35 (0.97-5.70)		
CPM total				
Unexposed (0)	Reference	Reference		
Single exposure (1)	1.81 (1.12-2.94)	173 (1.04-2.88)		
Multiple exposure (≥=2)	1.78 (0.76-4.15)	1.92 (0.81-4.55)		







Neuropsychological and Behavioral Outcomes after Exposure of Young Children to Procedures Requiring General Anesthesia

The Mayo Anesthesia Safety in Kids (MASK) Study

David O. Warner, M.D., Michael J. Zaccatello, Ph.D., L.P., Slavica K. Katusic, M.D., Darral R. Schroeder, M.S., Andrew C. Hanson, B.S., Philip J. Schulte, Ph.D., Shonie L. Buerwenida, R.N., Stephen J., Gleich M.D., Poblert T. Wider, M.D., Juris, Sprung, M.D., Denrigh Hu, M.D., Robert G. Volgt, M.D., Merle G. Paule, Ph.D., John J. Chelonis, Ph.D., Randal P. Fick, M.D., M.P.H.

- IQ no difference
- Multiple exposure did not differ from the single exposure, but IQ was lower than the IQ of unexposed children
- Differences in reading and behavior in multiply exposure
- Slight differencies in the speech and fine motor coordination Anesthesiology 2018

## Take home message

- We should follow the pediatric patients after cardiac surgery
- They have frequently multiple operations
- The first deep screening is only in the school ages

İlginiz için teşekkür ederim Köszönöm a figyelmet!



