PARENT RATINGS OF BEHAVIOURAL EFFECTS OF BIOMEDICAL INTERVENTIONS

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The parents of autistic children represent a vast and important reservoir of information on the benefits - and adverse effects - of the large variety of drugs and other interventions that have been tried with their children. Since 1967 the Autism Research Institute has been collecting parent ratings of the usefulness of the many interventions tried on their autistic children.

The following data have been collected from the more than 21,500 parents who have completed our questionnaires designed to collect such information. For the purposes of the present table, the parents responses on a six-point scale have been combined into three categories: "made worse" (ratings 1 and 2), "no effect" (ratings 3 and 4) and "made better" (ratings 5 and 6). The "Better:Worse" column gives the number of children who "Got better" for each one who "Got worse".

Note: For seizure drugs: The first line shows the drug's behavioral effects; the second line shows the drug's effects on seizures.

Parent Ratings					Parent Ratings						Parent Ratings						
	Got	No	Got	Better :	No. Of		Got	No	Got	Better :	No. Of		Got	No	Got	Better :	No. Of
DRUGS	Worse A	Effect	<u>Better</u>	Worse	Cases ^B	DRUGS	Worse A	Effect	Better	Worse	Cases ^B	DRUGS	Worse A	Effect	Better	<u>Worse</u>	Cases ^B
Aderall	39%	28%	34%	0.9:1	285	Desipramine	38%	25%	38%	1.0:1	61	Phenobarb.					
Amphetamine	47%	28%	25%	0.5:1	1174	Dilantin						Behaviuor	47%	37%	16%	0.3:1	1052
Anafranil	31%	37%	31%	1.0:1	351	Behaviour	28%	48%	24%	0.9:1	1049	Seizures	17%	43%	40%	2.4:1	458
Antibiotics	30%	59%	11%	0.4:1	1617	Seizures	14%	36%	51%	3.8:1	377	Prolixin	34%	34%	33%	1.0:1	83
Antifungals C						Felbatol	26%	45%	29%	1.1:1	38	Prozac	31%	33%	36%	1.2:1	975
Diflucan	7%	42%	51%	7.2:1	185	Fenfluramine	21%	51%	28%	1.4:1	453	Risperidal	19%	28%	53%	2.8:1	401
Nystatin	5%	48%	47%	10:1	727	Halcion	37%	30%	33%	0.9:1	43	Ritalin	44%	26%	29%	0.7:1	3540
Atarax	26%	53%	21%	0.8:1	443	Haldol	37%	27%	35%	0.9:1	1119	Secretin					
Benadryl	24%	51%	25%	1.1:1	2512	IVIG	13%	45%	42%	3.2:1	31	Intravenous	8%	43%	49%	6.2:1	217
Beta Blocker	18%	49%	33%	1.8:1	236	Klonapin						Transderm.	12%	47%	41%	3.6:1	78
Buspar	26%	45%	30%	1.2:1	281	Behaviour	28%	33%	38%	1.4:1	156	Stelazine	28%	44%	27%	1.0:1	415
Chloral						Seizures	38%	50%	12%	0.3:1	26	Tegretol					
Hydrate	41%	37%	22%	0.5:1	375	Lithium	27%	42%	31%	1.1:1	384	Behaviour	24%	45%	31%	1.3:1	1345
Clonidine	21%	31%	48%	2.2:1	1090	Luvox	28%	36%	37%	1.3:1	120	Seizures	12%	33%	55%	4.5:1	721
Clozapine	44%	39%	16%	0.4:1	79	Mellaril	28%	38%	33%	1.2:1	2023	Thorazine	36%	40%	24%	0.7:1	897
Cogentin	19%	53%	28%	1.4:1	149	Mysoline						Tofranil	30%	37%	33%	1.1:1	698
Cylert	45%	35%	21%	0.5:1	580	Behaviour	44%	40%	15%	0.3:1	131	Valium	36%	41%	23%	0.7:1	788
Deanol	15%	55%	29%	1.9:1	195	Seizures	19%	58%	23%	1.2:1	57	Zarontin					
Depakene						Naltrexone	22%	46%	32%	1.5:1	200	Behaviour	34%	43%	22%	0.7:1	129
Behaviour	25%	43%	32%	1.3:1	871	Paxil	27%	28%	45%	1.7:1	192	Seizures	21%	51%	29%	1.4:1	87
Seizures	12%	30%	57%	4.6:1	569	Phenergan	30%	44%	26%	0.9:1	244	Zoloft	33%	31%	36%	1.1:1	212

BIOMEDICAL/	Par	ent Rati	ngs			BIOMEDICAL/	Par	ent Rati		No. Of	
NON-DRUG/	Got No		Got	Better :	No. Of	NON-DRUG/	Got	No	Got		Better :
SUPPLEMENTS	Worse ^A	Effect	Better	Worse	Cases ^B	SUPPLEMENTS	Worse A	Effect	Better	Worse	Cases ^E
Vitamin A	2%	59%	39%	22:1	334	Vitamin B3	5%	55%	41%	9.0:1	487
Calcium D	2%	62%	35%	14:1	988	Vit. B6 alone	7%	64%	29%	4.1:1	590
Cod Liver Oil	3%	51%	46%	14:1	411	Vit. B6/Mag.	4%	49%	46%	11:1	5079
Colostrum	6%	58%	37%	6.7:1	163	Vitamin C	2%	59%	39%	16:1	1306
Detox. (Chelation)	3%	28%	70%	27:1	116	Zinc	3%	55%	43%	17:1	835
Digestive Enzymes	4%	44%	52%	14:1	314						
DMG	7%	51%	42%	5.9:1	4547	SPECIAL DIETS					
Fatty Acids	4%	44%	51%	12:1	299	Candida Diet	3%	45%	52%	18:1	605
5 HTP	11%	55%	35%	3.3:1	66	Feingold Diet	2%	47%	51%	23:1	645
Folic Acid	4%	55%	41%	11:1	1100	Gluten-Casein-					
Food Allergy Trtmnt	4%	37%	59%	14:1	290	free diet	4%	33%	64%	18:1	724
Magnesium	6%	65%	29%	5.2:1	288	Removed					
Melatonin ^E	10%	33%	57%	5.9:1	302	chocolate	1%	50%	49%	36:1	1491
Pepcid	9%	61%	30%	3.2:1	64	Removed Eggs	2%	61%	37%	21:1	882
SAMe	25%	46%	29%	1.1:1	28	Removed Milk					
St. Johns Wort	11%	67%	22%	2.0:1	46	Products/Dairy	2%	51%	48%	30:1	4950
TMG	14%	42%	44%	3.1:1	182	Removed Sugar	2%	51%	47%	24:1	3392
Transfer Factor	18%	51%	31%	1.7:1	39	Removed Wheat	2%	53%	46%	26:1	2701
						Rotation Diet	2%	50%	47%	20:1	678

A. "Worse" refers only to worse behaviour. Drugs, but not nutrients, typically also cause physical problems if used long-term.

B. No. of cases is cumulative over several decades, so does not reflect current usage levels (e.g., Haldol is now seldom used)

C. Antifungal drugs are used only if autism is thought to be yeast-related. D. Calcium effects are not due to dairy-free diet; statistics are similar for milk drinkers and non-milk drinkers.

E. Caution: While melatonin can benefit sleep and behaviour, its long-term effects on puberty are unknown.