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ELECTROCONVULSIVE THERAPY Clinical and Basic Research Issues

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Patients' Experiences of and Attitudes to

Electroconvulsive Therapy year or

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INTRODUCTION

We would like to present the results of a study that was carried out in Edinburgh, in the late 1970s. At the time it represented the first systematic attempt to assess patients' experiences and views of electroconvulsive therapy (ECT). Gomez (1975) had looked at side effects but confined her questioning to a period 24 hours after the treatment.³ A large number of other studies had asked systematically about side effects but not about attitudes. Hillard and Folger (1977) compared two wards, one that was a high user and one a low user of ECT.⁴ They confined their questioning of patients to side effects and to the use of semantic differentials such as how good, how fast acting, how strong the treatment was.

However, our study had been carried out at a time when there was considerable media interest in ECT. Most of this had been critical, uninformed, and anecdotal. The authors were stimulated to carry out the study following a British Broadcasting Company television program, in which we had both taken part and which had been edited in such a way as to be highly critical of ECT. In particular, it stressed that all of the patients whom the BBC team had interviewed had dreaded ECT and fcared it more than anything else they had ever experienced. Bird (1979) attempted to assess the effect this program had on patients' attitudes,¹ in a small study carried out in Bristol, United Kingdom.

METHODS

Sample

We attempted to interview all the patients under the age of 70 who had had ECT during one year (1976) in the Royal Edinburgh Hospital. We tried to interview people approximately one year after their last ECT, but some had had a second course of treatment during the year and were interviewed within 6 months while others, being difficult to contact, were not interviewed until 18 months after their last course. The interviewing took place between February 1977 and October 1978.

Because the study was conducted alongside another investigation concerned with epilepsy following ECT, a number of patients were interviewed who had had ECT in 1971, i.e., six years earlier. No attempt was made to contact everyone who had had ECT in ECT in 1971, but it was felt useful to include this group to see if attitudes changed with the passage of time.

Each patient of the sample was sent a letter explaining the nature of the study and asking them to come for an outpatient interview. Those who did not respond were sent a

sample was thus 166.	1971 formed a subsidiary sample. The two samples were analyzed separately out are reported here together, as no differences were found between the two. The combined	interview, of whom we interviewed 106 (89%). Sixty patients who had had ECT in	1976 and constituted the main sample. At enquiry in 177770, 12 mic courts of the second and the	One hundred and eighty-three patients received one or more courses of ECT during		RESULTS	specifically requested.	patient's ward. This usually involved clearing a side room or iour-bounded ward. This ECT was given by the ward doctor and a visiting anesthetist. In both areas ECT was	at approximately 15 to 30 minutes before each treatment. I here were separate watting, treatment, and recovery rooms. In the other area (Craig House) ECT was given in the	suite was used and the patients were lasted overlight in the ECT suite by a ward nurse premedication at 40 minutes, and then brought down to the ECT suite by a ward nurse	ECT was given in two places in the hospital. In the main hospital a separate ECT	little outpatient ECT was given, though in a few cases EC I that had been started on an outpatient basis.	treatment for other psychiatric conditions. At the time of the study outcome to consult and specifically requested unilateral treatment. Very routinely given unless the consultant specifically requested unilateral treatment on an	and eighty-time patients received a course of ECT. ECT is little used as a approximately 1 in 15 inpatients received a course of the study bilateral ECT was	type, 300.4 depressive neurosis, or 296.1 manic-depression manic type). One hundred	neverhosis Almost all fell into 3 ICD-8 categories (296.2 manic-depression depressed	At that time the Royal Edinburgh Hospital admitted approximately 2000 partons	ECT were also obtained from case notes and ECT records.	Details about number and timing of treatments, psychiatric diagnosis, and type of	saying duni t know. I di thich detains of specific detains of spec	were asked to respond to a number of statements by either agreeing, using come, or	they would have it again, and whether they gave consent to the treatment. Finally, they	the side effects that they experienced, whether the treatment helped them, whether	their treatments, why they were given EC1, their psychiatric symptomis at the time, why they were given EC1, their psychiatric symptomis at the time time, where the treatment sessions themselves,	five minutes and were then asked for specific details about the number and timing of	were allowed to talk spontaneously about their views and experiences of ECT for about	Designed more siven a conjugation interview based on a questionnaire. They	Interview Schedule		prior telephone contact.	envelope. The tew who still did not come were visited at itolite, where possible with	second appointment enclosing a small questionnaire and a stamped, addressed		342 ANNALS NEW YORK ACADEMY OF SCIENCES		
	Miscellancous or unspecified psychosis Other diagnoses	Schizophrenic Burneral neuroposis	Bipolar illness manic or hypomanic	Unipolar depression		TABLE 2. Percentage Distribution of Diagnosis for First Course of ECT ^e	many as 93 treatments in her lifetime, spread over 14 courses. The average number treatments of those interviewed were 16 for the 1976 group and 18 for the 1971 grou	ECI are summarized in IABLE 1. It can be seen that there was a wide range experience. A few people had had only a single ECT treatment and one lady had had	they had had, and the information they gave was quite unreliable when checke against case-note records. The details of background variables and actual experience	Many subjects had little idea how many treatments or how many courses of EC	The Treatments		made any specific comments about EC1. The ren traced.	doctors treating them to be somewhat hostile to doctors in general, but they had no	a - 163 101 1270, 001 0111, 100 1116, 16864, a - 00 101	"" - 193 for 1076 but only 106 interviewed: " - 60 for 1071	Kange of experience Mean total of treatments ever received	51 or more treatments	25-50 treatments	6 or less treatments 7-74 treatments	Experience of ECT during lifetime	Unilateral ECT	5	۵	22	Social class	Divorced	Widowed	Single	Sex ratio: M:F Marital status	Mean age		TABLE 1. Background Details of the Two Samples ^e		FREEMAN & KENDELL: PATIENTS' EXPERIENCES	
	3.9	5.0	6.E	67.6	1976	r First Course of	14 courses. The a ⁷ 6 group and 18 fc	treatment and or	as quite unreliab d variables and ac	tents or how man			maining IU patte	sciass in general,	1911.		16 1-1-2	5%	12%	31%		2017 1927	167	35% 24%	21%	49	4%	57%	24%	1.46:1	50	1976		£	ń	
	1.6 1.6	16.4 0	1.6	62.3 16.4	1971	· ECT	or the 1971 grou	a wide range in a lady had had :	tual experience	y courses of EC			ints could not a	but they had no			1-93 18	5%	21%	25%		96.7% 3.3%	13%	23% 25%	23%	1691	3%	67% 807	21%	1.4:1	54	1971			24	ł

sample was thus 166. Of the 13 patients who were not interviewed, 3 were still in treatment at the hospital but refused to be interviewed for research purposes. All 3 were said by the

 $a_n = 243$ for 1976; n = 60 for 1971.

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7 - 100.			remember if any explanation given			tion		Percent	TABLE 4a. Adequacy of Explanation Given before "Treatment"		Details of this are given in TABLE 4. Only 21% of patients felt they had been given an adequate explanation of the treatment before it began. Forty-nine percent were sure	Patients' Experiences of the Treatment		incarinent. Fostmortent showed a invocatual infrarction. She had one previous infarct. A 76-year-old woman also died 48 hours after her 13th ECT. Postmortem showed a myocardial infarction 24–48 hours old. Both patients were taking a tricyclic drug at the time.	may have been related to ECT. A 69-year-old woman died 24 hours after her 13th treatment Determiner showed a muchandial information for her her 13th	In six cases death appeared to have been from causes entirely unrelated to ECT.	continued, and suicide occurred 9 months and 11 months later.	i weive patients had died before they could be interviewed. Four had committed suicide. In two there was a good response to ECT and the suicide occurred during a subsequent illness and in two there was only a martial response the decreasing the decreasing the decreasing subsequent is the two there was only a martial response.	Tweeler presidents had diad hafare they pould be interested. They had been a	Causes of Death	The reasons given in the case notes for treatment being stopped are given in TABLE 3. In 74% this was because improvement was felt to be satisfactory or sufficient.	obtained from the case notes are given in TABLE 2. The main difference between the two years is that fewer schizophrenic patients were given ECT in 1976.	The distribution about the mean was skewed. Over half those interviewed had had only a single course of ECT, usually of five to eight treatments. Details of the diagnoses	n = 183 + 60.	Other reason or not specified	complication	Low dwn discharge 1.0%	r treatment and/or		Hypomanic reaction 3.7%		Sufficient or satisfactory improvement 73.7%	TABLE 3. Reason in Case Notes for ECT Ending ^e	344 ANNALS NEW YORK ACADEMY OF SCIENCES
^e n = 166.	ter each treatment	Recovery period for a few hours af-	Waking up	Falling asleep	Anesthetic injections	ECT staff	morning	Premedication Waiting for treatment in the	Aspect of Treatment	TABLE 4c. Experience of Various Parts of the Treatment (Percentages) ^e	Details of the side effects are given in TABLE 6. It should be noted that these are side effects remembered approximately a year afterwards.	2		thought that the sensation of falling asleep was a pleasant one, and 27% commented on the staff being pleasant. No aspect of the treatment was rated as unpleasant by more than 30% of the subjects.	little feeling in subjects, and most found them neutral. We optimistically asked whether any aspect of the treatment was pleasant. Thirty-two percent of subjects	Specific parts of the treatment procedure, listed in TABLE 4c, seemed to arouse	compare it with a trip to the dentist (see TABLE 4d), 50% of reducts felt that going to	anybody who had bizarre ideas about what happened during ECT, and our general impression was that patients did not find it particularly frightening. When asked to	can be seen that worry about possible brain damage was the most common fear, but even then 77% of patients had not thought about this at all. We did not come across	The responses to specific questions about brain damage, fear of epilepsy, worry about electricity, worry about being made unconscious, etc., are listed in TABLE 5. It	Most found it difficult to say why they had been afraid, though a few said spontaneously they were afraid of the unknown or afraid of the anesthetic.	very anxious or irightened and a turther 23.3% feeling slightly anxious. Forty-six percent said that they either had no particular feelings one way or the other or felt	couldn't remember being given any explanation but one might have been given. When asked how they felt before their first ECT treatment, 16% described feeling	they had been given no explanation at all and stuck to this view even when it was suggested to them that they might have forgotten. Twelve nercent said that they		^e r = 166	Other	Reassured; pleased that treatment was starting	No particular feelings	Slightly anxious and frightened	Very anxious and Friebland		TABLE 4b. Do You Remember How You Felt before Your First Treatment?	FREEMAN & KENDELL PATTENTS' EXPERIENCES
	6.0		10.8	9.15	5.4	26.5	1.2	2.4	Pleasant	Parts of th	given in 17 nately a yea	Stae Effects	Cida EA	ng asleep wa ct of the tre	nost found ment was p	nt procedur	ist (see TAB	about what not find it	st thought a	ing made u	why they the unknow	a lurther 2 1 no particu	ny explanati fore their fir	tion at all a				atment was si		cned	2		low You F	NIS EXPE
	69.9		63.9	54.8	83.7	65.7	74.7	77.1	Neutral	he Treatme	ABLE 6. It s. r afterward	ects		as a pleasan atment was	them neuti ileasant. Th	;. .e, listed in	LE 4d), 50%	happened of particularly	bout this at	it brain dar nconscious,	had been wn or afraid	lar feelings	ion but one st ECT trea	and stuck to				tarting					elt before Y	RENCES
	17.5		20.5	8.4	6.6	3.0	19.9	15.7	Unpleasant	nt (Percentag	s.			t one, and 27% rated as unpl	al. We optin	TABLE 4c, se	t of subjects fo	frightening.	t all. We did a	nage, fear of etc., are lister	afraid, thou of the anesth	one way or t	might have be atment, 16% d	o this view ev									/our First Tre	
A CONTRACTOR OF	6.6		4.8	4.8	4.2	4.8	4.2	4.8	Don't Know	es)"	d that these are			easant by more	nistically asked ent of subjects	emed to arouse	elt that going to	und our general When asked to	nmon fear, but	epilepsy, worry i in TABLE 5. It	gh a few said	kious. Forty-six	en given. escribed feeling	en when it was			5.4 5.4	22.9	22.9	23.5	Percent		interior de	345

344

	Percent
Adequate	20.6
No explanation	49.1
Inadequate	8.5
Misleading	0
Can't remember if any explanation given	12
Other	IJ
Don't know	6.6

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TABLE 4d. Response to Statements about Experience of ECT	l lixperience o	of ECT		TABLE 6. Side Effects Remembered	ts Kememb			•	
		Percentage Answering	vering	Patients' Reports of	ts of	-	- 100 Percentage	n -	n - 243
Statement	Agree	Disagree	MOUN 1 LOCI			2	5	;	7
1. I was so upset by the treatment	13.1	80.0	6,9	Hendache	ment	26	 15.6	_	16
2. If necessary I'd readily have the	59.4	34.4	6.2	Other side effects	IS	× ∞	4.8		94
treatment again 3. More explanation should be given	51.2	30.6	18.1	Dizziness		ه من و	 		
	18 7	45 0	156	Vomiting Don't know		4 1	2.4		
have				No side effects at all	at all	33	15.8		
5. How did ECT compare with go- ing to the dentist?	More upsetting Less upsetting	i i i i i i i i i i i i i i i i i i i	18.3 49.4	This column is side effects recorded at the time by the staff, for comparison	effects recor	ded at the time I	by the staff, for o	omparison.	
6. How frightening or upsetting was	More	IIIC	3.0	muscle aches One	man com	plained of cho	le aches One man complained of choking and said	he had been too lightly	õ
	Less About the same	ime at all	52.7 32.1 97	anesthetized on one occasion.	occasion.				
	Don't know	c	2.4		Did Patio	ents Find the T	Did Patients Find the Treatment Helpful?	oful?	
Twenty percent reported remembering no side effects whatsoever. Memory impairment was clearly the most troublesome, with 50% of the total sample mentioning this as the worst side effect. Forty-one percent mentioned memory impairment spontaneously when asked about side effects, and a further 23% when prompted.	ring no side ome, with 50% ne percent ma effects, and a	effects what of the total so further 237	atsoever. Memory mample mentioning mory impairment & when prompted.	Details regarding helpfulness of treatment are given in TABLE 9. Altogether 78% of subjects thought that ECT had helped them either a little or a lot. Only one person thought that ECT had made him much worse. He was a young electrical engineer who had developed a schizophrenic illness. Because of his trade he had considerable respect for electricity and had found the whole experience quite upsetting and blamed his	ng helpfulne nat ECT ha had made hi hizophrenic had found	ss of treatmen d helped them im much worse illness. Becaus the whole exp	either a little either a little He was a you e of his trade l perience quite	ABLE 9. Altoge or a lot. Only ng electrical e le had consider upsetting and	one ngin able blar
making 74 percent of the whole sample who reported some memory disturbance. The only other side effect commonly reported was headache occurring at the time of treatment. This was reported by 48% of subjects. Fifteen percent of the total sample thought it was the most troublesome unwanted effect.	vho reported so reported was i of subjects. Fif	ome memory headache occ teen percent	disturbance. curring at the time of the total sample	present state on EC1. Although 78% of people said it had helped them, only 65% were willing to say that they would have ECT again. This discrepancy appeared to be due to two factors. A number could not imagine themselves getting depressed again and therefore could not	of people sa CT again. imagine the	id it had helpe This discrepan mselves getting	d them, only 6 cy appeared t g depressed ag	57 were willin to be due to two in and therefore	g to o fa
When asked to respond to a series of statements about ECT, 30% agreed with the statement that their memory had never returned to normal afterwards though 12% felt their memory was better now than it had ever been. Twenty-eight percent felt that	statements ab eturned to norn ad ever been.	out ECT, 30 mal afterwar Twenty-eigh)% agreed with the ds though 12% fel at percent felt that	believe that they would ever need more ECT. Others had clearly been put off by the side effects, and 13% said so. When asked if they would recommend it to a friend if a psychiatrist advised the friend to have it, 65% said yes, but 24% didn't know, and 11.4%	vould ever r 3% said so. d the friend	heed more ECT When asked if to have it, 65%	we that they would ever need more ECT. Others had clearly been put off by the effects, and 13% said so. When asked if they would recommend it to a friend if a hiatrist advised the friend to have it, 65% said yes, but 24% didn't know, and 11.4%	clearly been pu commend it to 4% didn't know	a fr
ECT caused permanent change to memory, and 22% that ECT had no effect on memory at all. (See TABLES 7 and 8.) There were single complaints of neck stiffness, skin burns, increased sweating, and	mory, and 22 (stiffness, skin	% that ECT burns, incre	had no effect or ased sweating, and	said definitely no. Few people believed that the effect of ECT had been permanent. Thirty-five percent believed the beneficial effects had lasted for a year or more, 15% that they had	elieved that ne beneficial	the effect of effects had las	definitely no. Few people believed that the effect of ECT had been permanent. Thirty-five ent believed the beneficial effects had lasted for a year or more, 15% that they had	en permanent or more, 15% t	That
TABLE 5. Fears and Worries about ECT ^e	L.			TABLE 7. Patients'	Estimates	of Severity		Derrontson	Percentage
Worry or Fear	Not at All	A Little	tle A Lot		I otal Percentage	Who Reported	Who Reported	7	Who Thought
About being made unconscious	80.6%	11.9%	\$ 7.5%				When Prompted	Symptom Severe	Symptom Mild
About losing control of bladder, or embarrassing things happening	•.			Memory impair-	63.9	41	22.9	25.3	38.6
while unconscious	83.7%	9.4%	ž 6.9%	ment Headache	47.6	24.7	22.9	19.2	
That electricity was used in the treatment	76.9%	13.1%	77 10.077	Confusion Clumsiness	26.5 9.0	4.8 2.4	6.6	3.6	
About having a fit or a turn	90.9%	4.2%	77 3.877	Nausea or vomit- ing	4.2	2.4)	
Of possible brain damage as a result of the treatment	76.9%	13.1%	77 10.077	Eyesight prob- lems	4.2	2.2	, r 0.7	36	
B- 162				Other side effects	12.0	10.0	1.		1

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"n = 166.

From the medical case notes, we d consent form themselves (TABLE 11). V had been coerced into having ECT, per have ECT when they definitely did no shouldn't have been given ECT but in treatment did them little or no goo remembered being given ECT agains helped by the treatment and was now g whether they thought their decision v third said they could have said no Twenty-three percent said that they w
From the medical case notes, we determined that 76% of patients had signed in consent form themselves (TABLE 11). We tried to determine whether patients felt thad been coerced into having ECT, persuaded against their judgment, or compelled have ECT when they definitely did not want it. Some patients (7.8%) felt that it shouldn't have been given ECT but in most of these this was because they felt treatment did them little or no good. Only two patients said that they cleat the being given ECT against their specific wishes. One of these had be remembered being given ECT against their specific wishes. One of these had be they the treatment and was now glad she had received it. We also asked every whether they thought their decision would have been respected by their doctors third said they could have said no and they felt they would have been obe to say no, either been said that they wouldn't have been able to say no, either beca
signed inspect of the signed in the signed in the sign of the sign

65.67

14.4**ም** 19.4ም

Patients' Consent to ECI

° <i>n</i> -	
Pariants' Concent to ECT	 A maximum construction of the international provides the indensity of the indensit

16.47 61.27 5.5% 14.5% 2.4%

38.87 32.77 7.37 14.57 5.57

1.27

22.9% 30.1%

2.477

	57.27	
	20.577	
100	18.7%	
worse	2.4%	
VOISC	0.6%	
nressed	50.6%	
xious	6.0%	
ne forget	. 1.2%	
ne a joli	0.6%	
xplanation	19.3%	
help	21.1%	
CHOW	1.2%	
nently	9.0%	
or more	34.9%	
nonths	15.1%	
ian 6 months	12.7%	
fiate relapse	2.4%	
oplicable	24.7%	
, know	1.2%	
	79.5%	
ree	14.3%	
know	6.2%	
	65.6%	
100	14.4%	
Know	20.07	

In what way did it help?	How much did ECT help you?
Less depri Less anxie Made me	A lot A little No change A little wo Much wor

TABLE 9. How Helpful Was the Treatment?"

ECT causes permanent changes

28.1%

63.7%

8.1%

to memory

at all

In what way did it help?	Less depressed Less anxious Made me forget Gave me a jolt Other explanation
Has the effect lasted?	Didn't help Don't know Permanently I year or more 6-12 months Less than 6 mont Immediate relaps Not applicable Don't know
ECT is a helpful and useful procedure	Agree Disagree Don't know
ECT works for a short while but the effects don't last	Agree Disagree Don't know
ECT gets you better quicker than drugs	Agree Disagree Don't know

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lasted from six months to a year, 13% less than six months, and 2.4% thought they had relapsed immediately.

Did Patients Understand the Treatment?

knew that electricity was used and that it was applied somewhere around the head They said they were put to sleep but then had no idea of what happened to them whil electrodes were applied to the head, and that the object was to produce an epileptic fit electrode was implanted in the head during the treatment were naked when they had the treatment and another that some sort of medic: they were asleep. Only four patients described false ideas. One believed that patient Thirty percent had a partial understanding. They knew about the anesthetic, the Fifteen percent of those interviewed appeared to have a full understanding of wha the treatment involved (see TABLE 10). They knew about the anesthetic, that the

TABLE 10. Patients' Understanding of Treatment^e

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TABLE R. Opinions on Memory Impairment My memory has never returned to normal after ECT My memory now is better than ECT has no effect on memory ECT is helpful but the side efever it has been fects are severe Statement Agree 21.9% 15.6% 11.97 307. Disagree 61.3% 84.4% 13.7 77.5% Responses Don't Know 3.7% 6.9% 6.977 4.3%

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^an = 166.

Factors Affecting Attitudes More women than men found the treatment very frightening, 20% as against 8%. Slightly more men than women said that their memory had not been impaired at all (41% as against 32%), otherwise there were no sex differences. The amount of previous experience of ECT did not appear to alter attitudes, nor did attitudes either mellow or harden with time. The 1971 group did not complain either more or less than the 1976 group, and they did not report that ECT had been any more or less than the 1976 had bilateral treatment on other occasions. Their views differed markedly from the bilateral group. Fifty percent said they wouldn't have ECT again (26% in bilateral group), 33% said it helped them a lot (61% in bilateral group). 28% thought they explanation for this negative view is not that unilateral group). We think that the most likely explanation for this negative view is not that unilateral ECT is a more unpleasant treatment but that these patients already had adverse views and were therefore selected by their consultants for unilateral treatment although in this hospital bilateral ECT is the usual procedure. An alternative explanation is that unilateral ECT doesn't work as well, and therefore more people complained; however, the numbers of treatments given and the	TABLE 11. Consent Procedure 1. Who signed the consent form? (n - 166) Information on whole sample from notes. Patient alone 11.9% Relative alone 11.9% Both relative and patient 11.5% No form could be found in notes for one patient. 11.5% 2. Do you think you could have refused to have ECT if you had wanted to? 33.7% Yes 23.1% No 40.0% Other replies 3.1%	160 ANALS NEW YORK ACADEMY OF STUME ACADEMY OF STUME ACADEMY OF STUME ACADEMY OF STUME AS THE STATE AND ALL STATES AND ALL AND ALL STATES AND ALL ALL STATES AND ALL ALL STATES AND ALL STATES AND ALL ALL STATES AND ALL ALL STATES AND ALL ALL STATES AND ALL ALL STATES AND ALL ALL ALL ALL ALL ALL ALL ALL ALL AL
or unpleasant experience. Most feti th neped intern, and martuy any tern thrace more them worse. In general, then, most patients had very positive views about ECT. Many of them did so spontaneously without being prompted, and a striking 307 feti that their memory had been permanently affected, although the majority meant by this that they had permanent gaps in their memory around the time of treatment, not that their ability to learn new material was impaired. It may be that this high level of memory complaint is due to most people having had bilateral ECT. It would certainly be well worthwhile repeating the study now that nearly all of the patients in our hospital get unilateral, nondominant ECT. Study now that nearly all of the patients in our subjects and compared three groups: patients who had had ECT, individuals visiting non-ECT patients. Many of the results were similar to ours, and there was a general tendency for those patients who had had ECT to be less afraid and feel more positive about the treatment the treatment the treatment of the country to Edinburgh. ⁵ Their results were strikingly similar to ours. It is clear that patients wish to be told more about the treatment. It so happened that one of us had interviewed a number of these patients before they started ECT in	We are aware that the main criticism of this study is that it was carried out by psychiatrists in a psychiatric hospital. It is obviously going to be difficult to come back to a hospital where you have been treated and criticize the treatment that you were given in a face-to-face meeting with a doctor. It is not easy to see a way round this. It would clearly not be possible to release details of a group of patients' treatments to lay persons so that they could undertake such a study. Even if this were possible we imagine that the response rate to a questionnaire administered by strangers would be much lower. It was our impression that those patients who had strong views spoke out with little inhibition. What is less certain is whether there was a significant number of people in the midground who felt more upset by ECT than they were prepared to tell us. Given these reservations, a number of definite results are apparent. The majority of patients did not find the treatment unduly upsetting or frightening, nor was it a painful	 INFEMAN & KENDELL: FAILONES EXPERIENCES (1) of the interaction of the interaction. DISCUSSION

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symptomatically improved. second explanation of the treatment after they have completed the course and are of what the treatment involved, yet several of these were adamant that they had never been given any explanation. It might, therefore, be beneficial to patients to give them a 1976 in connection with another study² and had given them quite detailed explanations

antidepressants, had longer than usual courses of ECT, and died of myocardial infarctions which were clinically silent until death. It is not possible to draw firm conclusions from two cases, but they raise the question whether in such "at risk" patients ECT and tricyclics should be given together. Both were elderly females, had preexisting cardiac disease, were taking tricyclic It is worrying that two patients from the 1976 sample died during a course of ECT.

their treatment to a doctor. There was hardly any concern about consent procedures being inadequate. This is perhaps best illustrated by two patients who misunderstood majority of subjects in this study were more than happy to leave all decisions about the initial appointment letter and came fully prepared to commence a course of ECT. Iree. Neither had been near the hospital for nine months and both were quite symptom Finally, we would like to emphasize the great trust that patients put in doctors. The

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