Yvonne Jones and Steve Baldwin ECT: shock, lies and psychiatry

epileptic fits as a form of treatment. In 1938 Cerletti supplied the electricity. practices of Meduna and Sakel who set the precedents for the induction of melancholia" (Strabeneck, 1986). It was, however, the independent through the head for the treatment of mania, brain wasting, dementia and England, in 1872, Clifford Allbutt used the passage of electric current Ithough Cerietti is official and the pressure of electric current Ithough Cerletti is often attributed with the introduction of ECI

proceeded with his experimentation, and using a higher voltage, induced S.E. (who had been listening to this conversation) stated, "Not another one been set too low. Whilst Cerletti discussed with colleagues how to proceed same procedure when conducting this human trial. He administered the schizophrenia, he was identified as a first subject in the study. Although and was referred to hospital for observation. After a diagnosis of initials as S.E. He had been arrested by the police department for vagrancy first shock, which failed to induce a convulsion, because the voltage had Cerletti sought permission to experiment on hogs he did not pursue the It's deadly" (Berke, 1979). Despite this man's expressed wishes, Cerletti The first electro shock was given to an Italian man known only by his

improved procedure is a higher degree of damage to the brain. reach the threshold necessary to produce a convulsion. The result of this sedate the brain and it is much more difficult to induce a seizure. Therefore common side effects associated with ECT in the past. Muscle relaxants orthopaedic complications of dislocation and breakages, which were relaxant essential. This is now given routinely with all ECT to prevent the now view the administration of ECT. First, they consider the use of a muscle For example, there have been major changes in the way that psychiatrists modifications do little to increase the safety of ECT and are more damaging. a safe treatment far removed from Cerletti's crude experiments. In fact, the voltage has to be increased even higher than with unmodified ECT to Today, psychiatrists claim to administer modified ECT. It is presented as

than in bilateral ECT (Breggin, 1989). EEG results one month after unilatera of current in one part of the brain and the damage to this part is more severe creativity. The placing of electrodes unilaterally increases the concentration Instead, they might argue that the non-dominant side is essential to valuable than the other. Humanistic psychologists would not agree. bilateral, ECT. This procedure assumes that one side of the brain is less Another modification is the administration of unilateral, rather than

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> (Weiner, 1980). ECT confirm that it is possible to detect which side of the brain is damaged

safe technique in an attempt to control popular opinion. In general, many psychiatrists have insufficient regard for the brain. For example, Pippard clients receiving excessive amounts of current (Pippard and Ellam, 1981; obsolete shock machines. These delivered an untimed shock, resulting in risking anoxic brain damage and that nearly a quarter of clinics were using and Ellam found that some clinics did not give their clients oxygen, thus changed (Pippard, 1992). The Royal College of Psychiatrists' guidelines also Editorial, 1981). The most recent update confirms that not much has recommend bilateral ECT (Freeman, 1989). Modified ECT is not scientifically proven. Psychiatrists claim that it is a

how ECT works

in which they work. continued use of ECT is that many medical treatments have been essentially chemistry positively. Another explanation given has its roots in ECT is presented in current psychiatric literature in an edited form. The helpful, despite the medical profession's lack of knowledge about the way identifies that the mechanism of ECT is unknown. The rationale for the highlights that most of these theories are without supportive data and rationale for ECT is often that the electrical current rearranges brain touch with their need to punish themselves. Current psychiatric literature psychoanalytic terms, suggesting that individuals benefit when they get in

only more recently that this has been presented in a positive way by the damaging the brain. Advocates of ECT were the first to identify this. It is insistence that this damage is negligible and transient, a concept which is psychiatric publications. Electro-convulsive therapy is effective by hotly disputed by many people who have undergone ECT. The truth about how ECT actually does work is always omitted in current

obsolete and inaccurate studies misrepresenting the original outcomes to suggest positive conclusions. to back up its continued use. However, psychiatrists continue to quote from Empirical research, based on adequate methodological data, does not exist ECT has been repackaged in a manner designed to censor public opinion.

psychiatry and ECT maintenance

with their own distress. acceptable to stuporise people, rather than to enable them to get in touch and ECT, reduce an individual's potential to experience emotion: it is Many psychiatric treatments, for example major tranquillizers, lobotomy

a necessity. In an overstretched staff team, the frustrations of managing a difficult, self-destructive or impulsive individual can often lead to the docile, predictable and easily manageable. Staff can misinterpret this lack introduction of an aggressive ECT regime. This renders the person passive, For some people long term treatment can become a reality, although no

of affect as an improvement in the person's psychological state. It is at a great personal cost to the individual that psychiatric teams often meet their own goals.

ECT is a way in which psychiatrists, families and sometimes clinical teams deal with challenging and troublesome people. It is surely wrong to add force to the administration of ECT, though sectioning people under the Mental Health Act remains an option. People who are about to undergo ECT receive an abundance of information based on psychiatric literature, which fails to acknowledge the risks involved. They are often not given a clear picture of the risk of death, permanent brain damage and loss of memory (Hughes, Barraclough and Reeve, 1981). With this information, people are coerced into taking a voluntary decision to receive ECT.

the repackaging of ECT

Although many studies have been undertaken to evaluate ECT, few have reached the minimal requirements necessary to establish scientific validity. With the limited material available to support the therapeutic use of ECT, the underlying basis for the widespread use of this intervention should be explored.

One explanation is that the way in which ECT is documented presents an imbalanced view. Although clinical evidence exists to demonstrate that ECT damages the brain. For example, "Generalised EEG-slowing both regular and irregular in morphology is the most prominent electro-physiological correlate of ECT. It is a non-specific abnormality consistent with diffuse cortical and sub-cortical impairment" (Weiner, 1980). Weiner concluded that although the slowing had usually returned to baseline levels by three months, in some people it can persist for longer. This information is rarely quoted.

In contrast, leading texts promote ECT as a safe treatment, devoid of serious side effects. The uniform view is dismissive of many specific case histories in which extensive side effects are noted. For example, a survey (Freeman and Kendall, 1980) found that 30 per cent of shock victims reported permanent memory impairment following treatment.

In another example (Frank, 1990) "Each shock treatment was for me a Hiroshima. The shocking destroyed large parts of my memory including the two-year period preceding the last shock". In addition, alternative literature which suggests that ECT is harmful is either ignored, or dismissed as a campaign by a minority group with extreme views.

Significantly, an overview of psychiatric literature demonstrates that the method of presenting ECT has changed. Early texts included many references to the incidence of brain damage associated with ECT. For example, Bini (1938) suggested that the "favourable transformation of the morbid psychic picture in schizophrenia was brought about by very severe and irreversible alterations in the nervous system". Fink (1958) wrote that "the biochemical basis for convulsive therapy is similar to that of cranial cerebral trauma"; Hirsch Gordon achieved in plain English, "imbecility replaces insanity" (1948).

Many articles documenting long-term impairment, personality changes and brain damage following ECT appeared in psychiatric journals in the 1940s and 1950s. In the 1960s the neurologist Symonds stated, "after a series of bi-weekly treatments the clinical picture is like that of a more severe head injury" (Symonds, 1966). In addition Lewis admitted that electro shock certainly produced tissue damage in the brain and concomitant impairment of mental functions including perception and capacity to learn (Lewis, 1967). Neither Symonds nor Lewis were anti-psychiatrists.

An example of the change in the way that ECT is promoted is the "disappearing memory loss trick". In the first (1946) edition of Psychiatry: theory and practice for nurses, this quote appears: "There is a possibility of damage to the brain substance. Furthermore convulsions not only result in amnesia for the fits, but also enlarge memory gaps which may extend far back into the past". By the fifth edition of the same book in 1962 the possibility of damage to the brain substance had become "remote" and a disclaimer had been added: "most of these memory gaps are eventually closed" (Beccle, 1946).

Advocates of ECT introduced the contra-indications of brain damage and many sources refer to "the need for careful consideration when deciding upon ECT as a treatment for clients who rely on their memory for employment". Herskovitz, writing in the Philadelphia Psychiatric Society Journal in 1943, reported finding memory deficits among 174 people treated with ECT "to be rather general and prominent. Therefore patients whose occupation requires intellectual ability are selected for treatment with caution" (quoted in Frank, 1990). Current texts often fail to report the negative consequences of ECT although adequate research to dismiss the possibility of permanent memory loss does not exist.

ECT results in acute brain syndrome. Sament, a neurologist, published his views on the brain-damaging effects of ECT in a letter to the editor of a professional journal, "I have seen many patients after ECT and I have no doubt that ECT produces effects identical to those of a head injury" (quoted in Frank, 1990).

Salzman (1947) investigated what he termed the "malignant effects of shock therapy on the personality of the individual". He discovered that "the most persistent impression obtained is that shock patients show a picture resembling the post lobotomy syndrome". McClelland (1988) believes that the changes Salzman observed in shock patients—disinhibition, euphoria and blunting are the classic signs of injury to the frontal lobes of the brain.

The debate remains about whether the damage is permanent, and if so, what is the incidence and severity? Anderson noted that every psychiatrist has seen such (post shock) amnesia last for years after treatment (1951). Memory impairment is a recognised side effect of ECT (Freeman, 1989). Valentine (1968) gave the following description of memory loss: "a patient with marked ECT amnesia is likely to have substantial memory loss for the sequence of events immediately prior to treatment and also a very partial and scattered amnesia particularly for names, people and events extending backwards in time for many months". Current psychiatric literature frequently does not address if this damage is permanent.

of accurate data, results from invalid studies are now quoted avoid the censure of critical public opinion. This misrepresentation of data indiscriminately as fact. is created by the existence of poor standards to monitor ECT. In the absence repackaged, and is now strategically promoted in a manner designed to Such selective reporting invites the interpretation that ECT has been

generally regarded to be effective" (Freeman, Basson and Crighton, 1978). ethically unjustified to withhold for a complete course a treatment depression. In reality this clinical trial is invalid, because Freeman, "felt it concluded that ECT is more effective than placebo in the treatment of study, Freeman then administered ECT to both groups. The study of a course of ECT replaced by placebo. Despite the design protocol of this randomly assigned to two groups. One group had the first two treatments frequently quoted to support ECT. The study involved 40 clients who were For example, a study completed by Freeman and associates in 1978, is

to evaluate ECT. They concluded that "in this group of patients suffering from depressive psychosis, six brief pulse unilateral ECTs did not produce a significantly therapeutic effect when compared with a simulated of the effectiveness of ECT. group. Psychiatrists have taken these not wholly impressive results as proof the end of the trial there was no difference between the shock or the control controls an antidepressant drug, in conjunction with a simulated shock. At procedure". Gangadhar et al. (1982) completed the only trial to give the Lambourn and Gill (1978) completed one of the first contemporary trials

confirmed that with intensive nursing and medical care, people can recover in the short term, no differences were shown between the control group and of severe depression, which is characterised by the risk of suicide (Leicester from the most severe depression without receiving ECT. the ECT group at one month and six month intervals. Analysis of the results It concluded that although people receiving ECT were significantly better measured follow-up improvement in relation to the effectiveness of ECT. in 1980 (regarded by many as the most thorough investigation of ECT yet trial, 1984; Nottingham trial, 1985). The Northwick Park double blind study Evaluations which are valid, suggest that ECT is of value in the treatment

are quoted as fact. Statistical evidence to support this is unavailable. suicide (Frank, 1990). Furthermore, admission to psychiatric institution can increase the risk of Claims in mainstream psychiatric literature that ECT can prevent suicide

use of EC

a thing of the past, that today there is agreement among psychiatrists Many psychiatrists try to convince people that abuse or overuse of ECT is regarding its use, and that it is only used as a treatment for severe "depressive illness". This is not the case.

are still some people getting "maintenance" shock) so about 20,000 people year were getting ECT in the 1980s. Since the Department of Health The average number of treatments in a course is about 6.5 (although there

> cent. However, these figures are for NHS patients only, and do not include the people getting ECT in private hospitals. (In some countries, for example started keeping a record in 1979 the total number has fallen by about 30 per USA and Italy, ECT is used more in private hospitals than in state

same number as today. This may well have been an underestimate, as he the end of the 1950s do more to reduce the use of ECT? awkward question. Why didn't the introduction of antidepressant drugs at was counting only the number of new admissions, but even so, it raises an being given to about 20,000 people a year (Jarvie, 1954), approximately the depression in the 1950s", a psychiatrist at that time estimated that ECT was Although modern texts refer to ECT as "the standard treatment for

about the usefulness of shock. explanations, these figures confirm that there is still wide disagreement nearly 400 in Wessex (1987/88), and figures for the districts within the RHAs show even greater variation. In the absence of any demographic between regions, from 125 treatments per 100,000 population in Oxford to The figures for the Regional Health Authorities show wide variation

which remain to be answered". concluded that their survey "throws up some very embarrassing questions consultants are responsible for 40 per cent of shock. Gill and Lambourn 85 per cent of consultants would not use it. Further, 15 per cent of 1981) demonstrated that approximately one third of shock is given where A study of individual consultants in one region (Gill and Lambourne,

treatments tended to have conservative social values and be tough-minded. Stoffelmayr, 1973) found that psychiatrists who favoured physical Gill and Lambourn's embarrassing questions, have been ignored ever since) They concluded that their findings raised two important issues (which, like times a month and those who use it less, or not at all? One survey (Pallis and What is the difference between psychiatrists who use shock more than 20

social attitudes they hold and the treatment they recommend for their treatments will not be guided by factual arguments. in general social attitude, discussion about the advantages of the various viewed with more caution. It is likely that if treatment orientation is embedded patients. Secondly, statements which are frequently made with some Firstly, psychiatrists should realise that there is an association between the ideological fervour about the value of different treatment should perhaps be

decisions about whether or not to prescribe it. R.A. Johnson, a psychiatrist opposed to the use of ECT, and 97 per cent of clinical consultants working and Ellam (1981) completed a study where only one per cent were wholly who publicly criticised shock in the 1970s described the problems he faced doctors, psychiatrists will give a lot of people ECT before they can make at least partly in adult psychiatry/psychogeriatrics regarded ECT as "at (consultants and senior registrars) but usually administered by junior least occasionally useful...". As ECT is always prescribed by senior doctors There are very few psychiatrists in Britain who never use shock. Pippard

when he refused to prescribe ECT. "When eventually I was in a position to refuse to give any more I was blacklisted from further promotion in a psychiatric career and was obliged to transfer to general practice."

The Royal College guidelines (Freeman, 1989) endorse ECT as a treatment not only for "severe depressive illness" but also for "less severe depressive illness", and as having a place in the treatment of mania, anorexia and schizophrenia (research to support the guidelines does not exist, nor are they a legal document).

In 1984 the medical newspaper *Pulse* reported that a Dr Woodland had for years used Electroconvulsive Therapy on his patients in general practice. According to the report, he had given more than 10,000 treatments to his patients in Paignton, Devon, and then in London. At some point one in seven of the patients on Dr Woodland's list were receiving ECT as treatment. Dr Woodland claimed it helped patients suffering from arthritis, indigestion, irritable bowel syndrome and aphthous ulcers. He admits that he did not always obtain informed consent from his patients. Can these actions be justified? Many doctors think not. Dr Woodland has addressed meetings where audiences walk out. He has described his work as "research" and claims that stricter controls on research would "limit basic freedoms to practise medicine". One can conclude that psychiatry presently is beyond the law.

elderly people

There has been a dramatic increase in the number of elderly people who receive ECT. In the 1940s only four per cent of people given ECT for depression were over 66 (Karagulla, 1950); today half are over 65 years of age. Doctors claim that this group respond well to ECT and do not tolerate antidepressant drugs.

Is ECT-incurred brain damage, then, to be termed senility?

ethnic minorities

People from ethnic minorities appear to be over-represented among people who have received ECT when the diagnosis is schizophrenia, but not among people being treated for depression (Fernando, 1988).

women

Women form the majority of shock patients, with a ratio of 1: 2.27 (Pippard and Ellam, 1981). Professor E. Paykel (Daily Telegraph, 31 January 1990) states that women suffer from depression more than men because life is more difficult for women. If this is so then ECT can be viewed as a punitive, oppressive, rather than curative, intervention which stops women complaining about their difficult lives.

children

Some psychiatrists administer ECT to children. This has constituted criminal assault (Baldwin and Jones, 1990). The youngest child reported to have received ECT was 34.5 months old (Bender, 1974).

worldwide

ECT is administered to people in Great Britain, Scandinavia and many third world countries. It is less available in France, Germany, Holland and Italy (Fink, 1984).

in conclusion

In a changing health care system all professional services are required to demonstrate effectiveness. This is a major change for the medical profession which has historically enjoyed autonomy and not been subjected to such intense scrutiny. Society places tremendous pressure on doctors to "provide cures for all ills" and it is difficult for the medical profession to disclose a lack of advanced techniques in some clinical areas.

audit some psychiatrists are now being confronted with their own lack of adequate training and professional skills to deal with complex human dysfunction. Psychiatrists threatened by their own professional limitations feel out of control and can often resort to using machinery and invasive physical techniques to achieve results. In some instances, as the psychiatrist's personal power is restored even bad results seem better than no results at all. Advocates of ECT will give many explanations to rationalise its continued use. ECT has been so strategically repackaged that other professionals often tolerate and condone the use of ECT even with the His recommendations have no scientific basis but appear in mainstream literature. Fink recommends the use of ECT not only in major depressive medical risks associated with ECT and claims it is now safe to administer it with people previously considered to be in a high risk category. For is also of the belief that manufacturers of ECT devices should design a Within psychiatry it is not surprising that with the introduction of clinical most controversial client groups. Recently some of the most radical and melancholia, mania, catatonic states and Parkinsonism. He dismisses the example, people with heart/lung conditions, osteoporosis, brain pathology such as tumours, multiple sclerosis and even in pregnancy. As previously noted the same Fink in 1958 wrote that "the biochemical basis for convulsive therapy is similar to that of cranial cerebral trauma". Today he completely ignores that ECT works by damaging the brain and recommends maintenance ECT for people who relapse quickly. In fact Fink machine with higher energy levels, thus advocating more damage to the disorders but especially in those disorders marked by psychosis, frightening ideas to surface have been expressed by Max Fink (Fink, 1990).

Little has changed since 40 years ago when one psychiatrist wrote about constantly seeing:

... patients who have some serious trouble, some constant anxiety or fear, who have been given insulin, convulsions (shock treatment), prolonged narcosis or what not, yet no-one has taken them aside and treated them as human beings... These physicians who rush to apply mechanical treatments without proper psychological investigations are demonstrating their own ignorance

a car or wireless set, and those who do not give it to him are betraying their and maltreating their patients. Man (sic) is worthy of better treatment than trust (Allen, 1949).

safe-and-effective-life-saving version, but early commentators were more Today psychiatrists' accounts of ECT seldom deviate from the standard

and many cases can be treated concurrently, which may make it possible to lastingly (Nussbaum, 1943). continue it even in wartime...results are usually obtained quickly, if not upon. It is cheap. It can be administered with limited help within a short time, This method of treatment has several advantages which are generally agreed

Nussbaum went on to point out that, even if patients benefited little from shock, the treatment nevertheless brought relief to nursing staff and gratitude from relatives.

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