

1 **“Shock tactics”, ethics, and fear. An academic and personal perspective on the case**  
2 **against ECT.**

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8 **Summary**

9 Despite extensive evidence for its effectiveness, ECT remains the subject of fierce opposition  
10 from those contesting its benefits and claiming extreme harms. Alongside some reflections on  
11 my experiences of this treatment, I examine the case against ECT, and find that it appears to  
12 rest primarily on unsubstantiated claims about major ethical violations, rather than clinical  
13 factors such as effectiveness and risk.

14 **Keywords**

15 Electroconvulsive therapy (ECT); depression; bipolar disorder; lived experience; ethics; involuntary  
16 treatment.

17 **Introduction**

18 A recent review discussing the efficacy and safety of modern electroconvulsive therapy (ECT) finds  
19 that it is still the “most effective treatment for severe, psychotic or treatment-resistant depression” (1).  
20 While ECT is viewed by many clinicians and recipients as indispensable in treating debilitating and  
21 “life-threatening” severe mental illness (2,3), it nevertheless remains, arguably, the most stigmatised,  
22 misunderstood, contested, and feared psychiatric or perhaps even medical, treatment. A few days after  
23 publication of the review, a short and sensationalist newspaper article, “Shock Tactics” (4), directed  
24 anyone “considering having a big electric shock passed through your brain” towards a *Psychology*  
25 *Today* article by an influential academic ECT-opponent, disputing efficacy and calling for urgent review  
26 of a treatment with “risks of brain damage and death” (5). As a researcher focusing on medical ethics  
27 and law, but also someone with considerable lived experience of receiving ECT, my aim here is to  
28 examine the nature and validity of the extreme and often vitriolic opposition to this treatment.

29 Probably the strongest feeling engendered by the notion of ECT is fear. ECT involves an electrical  
30 charge being passed through the brain to induce a seizure and cause a radical shift of mental state.  
31 Perhaps unsurprisingly, this description itself might sound alien, scientific, and frightening. Added to  
32 this are multiple cultural and media representations situating ECT firmly within the ‘dark side’ of  
33 psychiatry (6,7). Most well-known is the iconic 1975 film, *One Flew Over the Cuckoo’s Nest*,  
34 portraying psychiatry as a misused tool of repressive social control. Jack Nicholson’s character, who is  
35 not mentally unwell, forcibly receives ECT, without anaesthetic, as punishment for insubordinate  
36 behaviour. The effects of this treatment can become easily conflated with the gruelling final scene  
37 showing Nicholson’s near-vegetative state, resulting from a psycho-surgical procedure not shown and  
38 no longer practised. The takeaway impression of ECT is as a sadistic and illegitimate process, punitive  
39 rather than therapeutic, and capable of, effectively, destroying the brain. No famous depictions of ECT  
40 within contemporary psychiatric practice exist to counter these images, demonstrating the severity of  
41 the conditions it treats and its potential benefits. No wonder that ECT remains an object of fear. Yet,  
42 for myself, as for many others for whom ECT has been a life-saving treatment, the greatest fear  
43 surrounding ECT is that it might one day be inaccessible or abolished.

44 Before examining the anti-ECT position, I present some potential “conflict of interests” alongside some  
 45 credentials for my ability to offer a balanced view about psychiatric practice, ethics, and law. For me,  
 46 personally, the benefits of ECT have been immeasurable in treating a severe and dangerous mixed-  
 47 affective presentation of bipolar disorder, which remained, until very recently, steadfastly resistant to  
 48 any acute or maintenance psychopharmacological treatment or psychotherapeutic intervention. I first  
 49 received ECT aged 21, after over a year of failed treatments and hospitalisations. Eight bi-weekly ECT  
 50 treatments were for myself and my family the ‘miracle cure’ allowing me to reengage with life and  
 51 return to University to complete my degree. Treatment was not frightening, and I experienced no  
 52 significant side effects. Despite receiving over 150 ECT treatments over the years, I have noticed no  
 53 deterioration of intellectual ability or capacity to build new memories and have been able successfully  
 54 to resume my academic career. I was also on the Royal College of Psychiatrist’s ECT Accreditation  
 55 Service advisory committee for 6 years.

56 However, my experience and views of ECT and psychiatry are not universally positive. I have sustained  
 57 considerable autobiographical memory loss from later treatments, causing both psychological and  
 58 practical difficulties, and would never minimise or deny the views of those for whom side effects have  
 59 been severe and debilitating. While I myself, when well, condone and accept the need for a treatment I  
 60 often resist while unwell, amongst my many experiences of ECT were instances where treatment and  
 61 enforcement were mismanaged. More generally, my own academic work often involves critique of  
 62 contemporary psychiatry and mental health law.

### 63 **The case against ECT**

64 The case for suspension or abolition of ECT is usually argued in terms of three main clinical  
 65 transgressions: lack of evidence for effectiveness; minimisation or even denial of severe side effects;  
 66 treatment without informed consent. However, close examination suggests that ethical rather than  
 67 clinical concerns dominate anti-ECT critiques. A pervasive *One Flew Over the Cuckoo’s Nest*-type  
 68 image emerges of deliberate concealment and human rights violations.

#### 69 ***Claim 1 – lack of evidence for effectiveness.***

70 A 2020 review by prominent ECT critics concludes “There is no evidence that ECT is effective for...  
 71 its target diagnostic group—severely depressed people, or for suicidal people, people who have  
 72 unsuccessfully tried other treatments first, involuntary patients, or children and adolescents” (8). Such  
 73 claims, common within anti-ECT literature (9,10), seem strange and are easily challenged, given  
 74 considerable evidence and abundant patient and clinical testimonies to major benefits (1,3,11-15),  
 75 including many calling for ECT’s use not to be restricted to ‘last resort’ treatment (1,3,11,12,15).  
 76 Research on ECT’s effectiveness is too extensive to summarise or assess here. The critical 2020 review  
 77 only considered studies between 1956 and 1985, with many of its findings highly disputable,  
 78 particularly in a modern context (15). These points aside, however, let us consider the broader  
 79 implications of this anti-ECT viewpoint.

80 The first question must surely be motivation. Around 1.4 million people worldwide receive ECT  
 81 annually (1). In psychiatric terms, ECT is relatively costly and complex, in most countries involving  
 82 general anaesthesia, with estimates of annual treatment costs which “can exceed \$10 000” (14). If, after  
 83 80 years of ECT, there really was no evidence for effectiveness, why would healthcare providers  
 84 continue funding ECT and what would psychiatrists stand to gain, especially in the face of such  
 85 acrimonious criticism?

86 Moreover, claiming that psychiatry knowingly inflicts an invasive medical treatment with potentially  
 87 serious side effects and no evidence of substantive therapeutic benefits implies a global breach of core  
 88 medical ethical principles. Not only would this violate both beneficence and nonmaleficence, but  
 89 seemingly also justice, through allocating limited resources to expensive and ineffective treatments.

90 Moreover, deliberately misleading patients about therapeutic benefits would surely negate ‘informed’  
91 consent and autonomous decision-making concerning treatment. While psychiatry may sometimes  
92 involve errors of clinical judgement, the idea that so many medical practitioners are complicit in  
93 breaching fundamental professional ethics seems implausible and devoid of apparent motivation.

94 ***Claim 2 – minimisation or even denial of severe side effects.***

95 ECT opponents claim that psychiatry fails to acknowledge the extent, severity, or even existence of  
96 severe potential side effects from ECT, including “brain damage”, “mortality”, and “traumatic impact  
97 on the brain” (10). However, as with lack of effectiveness, claims that ECT has such side effects, which  
98 are deliberately and collectively concealed, denied, or minimised by psychiatrists, once again implies  
99 multiple seemingly implausible and unmotivated ethical violations.

100 It is widely acknowledged that ECT’s most substantial side effect can be “retrospective  
101 autobiographical memory” loss and the substantial research exploring ways to reduce retrograde  
102 amnesia indicates, very clearly, that psychiatry is neither ignoring nor denying this issue (1,16,17).

103 Historically, this phenomenon was underacknowledged or even denied (16) and some clinicians, as I  
104 myself have witnessed, may still fail to attribute sufficient weight to its nature and impact. While  
105 guidance materials and clinical decision-making now usually include consideration and information  
106 about such side effects, a desire to emphasise potential benefits may lead to insufficient attention being  
107 devoted to issues surrounding retrograde amnesia. For example, the new Royal College of Psychiatrists  
108 ECT information leaflet mentions the possibility of “permanent” gaps under “Short-term” rather than  
109 “Long-term” side effects (18). Assessing memory issues is further complicated by the difficulties of  
110 differentiating residual cognitive impairment resulting from depression from the effects of ECT, which  
111 can itself help to relieve these impairments (19).

112 I have, myself, experienced such memory loss within two perinatal periods. For various reasons, I have  
113 twice needed multiple courses of bi-weekly and bilateral ECT within a period of three to four years.  
114 Such extensive treatment is unusual and may make my experience of memory loss greater than usual  
115 (16). My lasting memory loss relating to people, events, and periods of my life can be difficult both  
116 emotionally and practically. I have found various ways to manage this amnesia and am extremely  
117 fortunate to have support from multiple people who understand and help to fill in the gaps. For myself  
118 and many others (3), although not for everyone, benefits of treatment have undoubtedly outweighed  
119 these costs. Beyond these autobiographical memory gaps, however, no clinical evidence supports  
120 common accusations of permanent ‘brain damage’, physical damage, or major fatality risk  
121 (1,5,9,10,12,22).

122 ***Claim 3 – excessive use of involuntary treatment.***

123 A final major concern is the proportion of patients receiving ECT without providing informed consent,  
124 usually described by ECT opponents using language implying physical coercion (8). Informed consent  
125 will, of course, always be contentious in relation to psychiatry, given common international use of  
126 legally sanctioned involuntary treatment. The United Nations Committee on the Rights of Persons with  
127 Disabilities, for example, call for abolition of all involuntary treatment (General Comment 1). Yet, with  
128 ECT, such concerns appear to extend beyond straightforward questions about ethical validity of  
129 involuntary treatment.

130 Multiple factors might justify administering ECT using statutory measures to allow treatment without  
131 informed consent. ECT is increasingly used for severe, life-threatening depression, and treatment-  
132 resistant illness, often including psychotic features, catatonia, or prolonged mania. Given probable  
133 severity of symptoms and concomitant likelihood of impaired decision-making abilities or extreme risk,  
134 informed consent may well not be possible (23,24). In such cases failure to use statutory provision

135 authorising substitute decision-making would itself be unethical, and safeguards surrounding  
 136 involuntary use of ECT within mental health legislation are typically more stringent than for other forms  
 137 of treatment. Although the type of physical coercion suggested by ECT critics is not typically involved,  
 138 such cases would be classified as ‘involuntary’, and a recent dataset from UK clinics reports that 46.7%  
 139 of patients were formally detained when starting acute ECT treatment, with 41% lacking decision-  
 140 making capacity to consent to treatment (25). However, there has been a well-documented and alarming  
 141 rise in the use of formal detention in England and Wales, with a national report showing that, by 2016/7,  
 142 80% of adult psychiatric inpatients and 100% of older inpatients (65+) were formally detained in some  
 143 areas (26). By comparison figures for ECT might even be seen as relatively low given that detention  
 144 figures amongst acute ECT patients suggest that over half of ECT recipients received treatment having  
 145 provided informed consent, even though it is likely that the majority were inpatients (18) . Moreover,  
 146 evidence suggests that patients often regain capacity to consent during a course of ECT and consent to  
 147 further treatment (23,25), with many involuntary patients retrospectively assessing treatment as helpful  
 148 (23,27), an experience which I myself have shared.

#### 149 **Cost-benefit analysis: which factors are often omitted by the anti-ECT lobby?**

150 Accusations of ethical violations through ineffective treatment, concealed side effects, and excessive  
 151 involuntary treatment seem unconvincing. Moreover, while treatment decisions involve informed cost-  
 152 benefit analysis (1,3,16), ECT opponents often deemphasise, omit, or even misrepresent details about  
 153 the treatment process and conditions treated, despite their frequent accusations of obfuscation and  
 154 concealment amongst ECT practitioners.

155 In almost all countries, ECT now involves general anaesthesia and a muscle relaxant to prevent major  
 156 physical convulsion (1,3). In the UK, for example, ECT staff are trained to answer any questions or  
 157 concerns, provide calming environments both pre- and post-treatment, and conduct physical and  
 158 cognitive checks (28). For me, when severely unwell, my fears concerning ECT stem entirely from  
 159 persecutory delusions about “brain-control”, rather than fear of the physical process itself. Most  
 160 importantly, perhaps, ECT opponents rarely describe the realities of conditions treated by ECT,  
 161 Unfortunately, terminology used to defend ECT, such as ‘debilitating’, ‘depression’, or even ‘life-  
 162 threatening’, barely evokes the experience of severe affective disorders or their potential consequences.

163 Though hard to articulate, I offer some personal examples to try to demonstrate the lived experience  
 164 and dangers of such conditions and reasons for prescribing ECT. When becoming severely unwell, I  
 165 suddenly enter an internal world utterly detached from everything and everyone around me. The US  
 166 psychiatrist Jamison’s description of her own mixed affective state prior to attempting suicide has  
 167 always resonated deeply - her mind a “murderous cauldron” her body “uninhabitable”, “raging and  
 168 weeping and full of destruction and wild energy gone amok” (29). For me, “tortuous energy” is  
 169 underpinned by manic grandiosity and invincibility, with intermittent euphoria pushing me towards  
 170 enlightenment, but accompanied by terrifying paranoia. This lethal combination is all the more  
 171 dangerous, usually veiled under a deceptive presentation of calm lucidity.

172 During the final trimester of my second pregnancy, I descended rapidly into these familiar patterns. I  
 173 clearly needed ECT, although I did not want this or any other treatment. Why was this? I was bombarded  
 174 by thoughts, voices, and signs telling me that my psychiatrist, whom I deeply trust and respect, was  
 175 masterminding a conspiracy to control my mind and prevent me from fulfilling my destiny, making any  
 176 treatment compliance an act of cowardly capitulation. Nevertheless, like Jamison (29), I had written  
 177 advance documentation, requesting ECT, administered involuntarily if necessary, if I became severely  
 178 unwell. In fact, the perinatal risks associated with bipolar disorder and my reliance on ECT are so great  
 179 that my decision to try for a second child had been heavily contingent on the availability of ECT in the  
 180 perinatal period.

181 The literature on ECT in pregnancy is, understandably, limited, but points towards its safety and  
182 effectiveness (11,12,30). I received 12 bi-weekly treatments during the last trimester of pregnancy.  
183 Treatment took place in the main theatres, with a midwife and obstetric team present, along with full  
184 foetal monitoring and provision for emergency delivery. The ECT team were incredible and took me  
185 through the process with great compassion, acknowledging and doing everything possible to help me  
186 manage my fear. After the 10<sup>th</sup> treatment, during the 36<sup>th</sup> week of pregnancy, there was a sudden and  
187 dramatic remission of the severe symptoms and psychosis. Just as rapidly as reality had vanished, it  
188 returned. The last treatment was at 38 weeks and I gave birth to a healthy child 2 weeks later, who  
189 started school this year.

## 190 **Conclusion**

191 On examination, academic opposition to ECT appears generally to rest on unsubstantiated claims of  
192 ethical violations, some of which its opponents themselves may even perpetrate. Opposition comprises  
193 a small but vocal cohort, mainly subscribing to an ideological agenda rarely mentioned within  
194 specifically anti-ECT literature (11,15), rejecting any medical understanding of mental illness and  
195 frequently questioning psychiatric motives. The critical 2020 review appears within the official journal  
196 of an international society centred on the premise that mental illnesses “should not be considered  
197 medical problems and traditional medical treatment is not a solution” (<https://psychintegrity.org>) (8).  
198 Very similar views are espoused, for example, on other sites hosting anti-ECT literature such as  
199 ‘Behaviourism and Mental Health’ and the ‘Council for Evidence-based Psychiatry’ (<http://cepuk.org/>  
200 ).

201 Based on prejudicial and unjustified assumptions about the intrinsic illegitimacy and immorality of  
202 psychiatry, many anti-ECT academics simply assume a lack of credibility in the evidence and  
203 testimonies presented by psychiatrists. Similar assumptions about intrinsic vulnerabilities or credulity  
204 lead to dismissal or even discrimination against ECT advocates who, like myself, claim to have  
205 benefited from the treatment. As Dukakis writes in a thoughtful collection of testimonies from those  
206 who have benefited from ECT, including her own: “I fully expect to be attacked. I feel like I am putting  
207 a target on my back for ECT’s many critics” (3). Moreover, the views and utter intransigence of calls  
208 for suspension or abolition of ECT take no account of potential harms from depriving those helped by  
209 ECT treatment and deterring those who are severely unwell from considering treatment which could  
210 help to relieve their suffering.

211 Public perceptions of ECT may well still be dominated by a *One Flew Over the Cuckoo’s Nest* image.  
212 Currently, the sensationalist and flawed views of the academic anti-ECT lobby continue to bolster such  
213 damaging and unjustified public perceptions and media discussion, rendering it unlikely that any  
214 supporting evidence for ECT will ever receive balanced consideration. No matter how much evidence  
215 is presented in journals, unless psychiatry is proactive in educating people about ECT and is helped,  
216 rather than hindered, by the media, ECT’s ‘image problem’ will persist. The stigma surrounding ECT  
217 means “that its use is severely limited, and its merits are neglected or even denied” (11), with even those  
218 psychiatrists who recognise its effectiveness deterred from prescribing ECT and training others (3).

219 My arguments are in no way intended to deny any historic or even contemporary instances of misuse  
220 (11), or to negate the views of service users who have experienced harm from ECT, either without any  
221 benefits, or with benefits which cannot outweigh the damage. However, any rights-based approach must  
222 surely recognise the rights of individuals to conduct their own cost-benefit analysis and to have available  
223 to them a treatment with the potential to alleviate severely debilitating and dangerous symptoms (3,11).

224 From a personal perspective, ECT does not cure bipolar disorder and the condition is for me, as for so  
225 many others, an ongoing challenge. I am incredibly lucky to have levels of social, clinical, and material  
226 support unavailable to many. I am aware of the high probability that I may one day become severely  
227 unwell again. I am also aware that, if I do, I will need ECT and, when I receive the first treatments,

228 there may well be some element of coercion, whether formal or informal. Almost certainly, I will  
 229 experience some degree of memory loss. But today I am alive. I have two happy and healthy daughters  
 230 and am able to perform a job which is both deeply stimulating and rewarding. Only a few years ago  
 231 many, if not all, of these things would have seemed highly improbable. Without ECT, it is almost certain  
 232 that they would not have happened.

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243 TG has no interests to declare.  
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