		wife reported 2 episodes of mania in the past 10 years both lasting over 2	discontinued before initiation of ECT	current=800 mA		
Thomas et al 2018 ²²	Case report	50/M/major depressive disorder for past 3 years; "however, his	Valproic acid 1,000 mg twice daily and venlafaxine 375 mg daily; medications were	Bifrontal ECT, pulse width = 1 ms, pulse frequency = 20 Hz, train duration = 6 s,	of 23 "Within hours" of third ECT treatment presented with YMRS score of 17	 ECT was continued and hypomania spontaneously resolved after his fourth ECT treatment with YMRS score of 5 Then started on lithium 1,200 mg/d monotherapy and remained euthymic at 6-month follow-up
.i et al 2015 ²¹	Case report	40/F/bipolar I, current episode depressed, without psychotic features	Lamotrigine 100 mg/d, ziprasidone 80 mg/d, bupropion 300 mg/d; medications were discontinued before initiation of ECT	Not listed	After second ECT session, patient developed "euphoria and grandiosity." After third ECT session, she had "full-blown manic episode" with YMRS score	 ECT was continued, but mania worsened After the fifth session, ECT was discontinued and patient was started on lithium 800 mg/d, thioridazine 100 mg/d, and clonazepam 6 mg/d Patient had full remission of the mood episode 3 weeks later
3urke 2015 ²⁵		disorder type I, current episode depressed	olanzapine 5 mg/d, lithium 250 mg/d; venlafaxine and lithium were discontinued before initiation of ECT, but olanzapine was continued during ECT	3 times per week for first 8 treatments. Bilateral stimulation was used starting at treatment 9	session, patient began experiencing improvement of	 Ultrarapid cycling worsened, so ECT was recommenced after 3 missed sessions in combination with lithium, which was restarted Symptoms slowly improved. After 23 ECT treatments, patient was euthymic
-uber and	report	depressive disorder 67/F/bipolar	Venlafaxine 300 mg/d,		session, patient developed manic symptoms including sexual disinhibition, which worsened over several days	 The patient was started on quetiapine and symptoms of mania and sexual disinhibition subsided, however, depression resumed. Sertraline was started. His symptoms gradually improved over the next week ECT discontinued and olanzapine increased to 10 mg/d
Zavorotnyy et al 2009 ²⁴	Case report Case	66/F/bipolar disorder, current episode depression 55/M/major	"All other drugs tapered off" except quetiapine 200 mg/d, which was continued throughout ECT course Citalopram 20 mg/d,	Right unilateral ECT 3 times per week Not listed	After 12 ECT sessions, during week 5, patient developed depressive and manic symptoms cycling in 24- to 48- hour intervals After third ECT	 ECT was discontinued. Ultrarapid cycling continued, and depression worsened 1 week later, ECT and lithium were restarted. After 7 days, symptoms improved. At 2 weeks, the symptoms had resolved ECT and all medications were discontinued
Saatcioglu and Guduk 2009 ²⁰		33/F/DSM-IV diagnosis of major depressive disorder with psychotic features	Haloperidol 20 mg/d, biperiden 4 mg/d	First 3 ECT used bilateral "unmodified ECT with no anesthesia." Initial ECT dose of 126 mC. Subsequent ECT dose range between 118 mC and 120 mC. The last ECT session used "modified ECT with anesthesia and muscle relaxants"	After seventh ECT session, patient developed psychomotor agitation, euphoria, and grandiosity with YMRS score of 28	 ECT was discontinued. Patient was discharged on lithium 900 mg/d and chlorpromazine 300 mg/ Two years later, patient stopped medications due to pregnancy but developed postpartum depression. ECT was initiated. After third ECT, patient developed mania with YMRS score of 24. EC was discontinued; symptoms improved with lithium 1,200 mg/d and chlorpromazine 300 mg/d 21 months later, patient developed depression. She received 5 sessions of ECT. She was discharge AMA with slight improvement of depression 6 months later, the patient was hospitalized with a "similar presentation." She was started on haloperidol 30 mg/d and biperiden 4 mg/d. After 5 sessions of ECT, she developed mania with YMRS score of 24. ECT was stopped. She had full remission of symptoms with haloperidol 20 mg/d biperiden 4 mg/d, and carbamazepine 400 mg/d
Serby 2001 ¹⁶	Case report	78/F/"major depression and 'anxiety attacks'"	Not listed	Bilateral square wave ECT treatments		 Patient was hospitalized for depression and received 7 bilateral "square-wave" ECT treatments and was subsequently discharged. Within 1 week of the seventh ECT treatment, she developed mania and was treated with discontinuation of ECT, readmitted to psychiatric unit, and treated with valproic acid until mania resolved
Sanders and Deshpande 1990 ²³	Case report	65/F/"bipolar illness" current episode "manic and psychotic"	Chlorpromazine and verapamil	Non-dominant unilateral ECT	Received 5 ECT treatments with dramatic improvement. Discharged from inpatient but developed mania within 2 days of first maintenance ECT treatment	ECT was continued and mania spontaneously resolved after first of 4 additional treatments
al 1990 ¹⁷		DSM-III diagnosis of MDD with psychotic features	Not listed	bifrontotemporal sinusoidal wave ECT 120–130 V×0.6s	recovery" from fourth ECT	 10 days later, psychotic depression returned. ECT initiated with imipramine 150 mg at bedtime. After sixth ECT, mania returned. ECT was discontinued, and mania spontaneously resolved within 2 days 10 days later, psychotic depression returned. ECT was initiated with imipramine 150 mg at bedtim and trifluouperazine 15 mg at bedtime. After third ECT, mania returned. ECT was discontinued, ar mania spontaneously resolved within 2 days Lithium 1,500 mg/d was started, and patient remained euthymic
Andrade et	Case	43/F/"unipolar psychotic depression" 16/F/first-episode	Imipramine 200 mg/d, haloperidol 6 mg/d; medications discontinued 1 week before ECT except lorazepam 1 mg twice daily as needed. Not listed	Bilateral ECT	After fourth ECT, patient was noted to be "laughing uncontrollably about minor things"	 ECT was continued. After fifth ECT, noted to be disoriented. MMSE score had decreased from 20/3 to 14/30 after sixth ECT and to 11/30 after tenth ECT. ECT was discontinued after 20 treatments due to partial response Later responded to fluphenazine decanoate 37.5 mg every 2 weeks, desipramine 75 mg at bedtime, and benztropine 1 mg twice daily ECT was discontinued, and mania spontaneously resolved within 2 days
		57/F/DSM-III diagnosis of bipolar disorder, depressed, with psychotic features	daily as needed Lorazepam 1 mg twice daily PRN and haloperidol 5 mg once 2 days prior to ECT for agitation	Bilateral ECT	After second ECT, patient became hypomanic. Manic symptoms developed after fourth ECT	 ECT was discontinued, and patient was hypomanic for next 5 days Lithium was started, and patient was discharged 2 weeks later on lithium 1,800 mg/d
Devanand et al 1988 ¹³	Case series	22/M/bipolar disorder, current episode "severe depression"	Imipramine 200 mg/d, lithium 600 mg/d; medications discontinued 2 weeks before ECT except lorazepam 1 mg twice	Right, unilateral, brief-pulse, constant current stimulation ECT	After fifth ECT, patient became hypomanic. Manic symptoms developed after sixth ECT	 ECT was discontinued, and mania spontaneously resolved in 5 days During the next week, patient became depressed and ECT was resumed. After third ECT, hypomania returned. He continued ECT for 5 sessions but remained hypomanic. Symptoms improved after initiation of lithium 1,800 mg/d (serum level, 0.96 mEq/L) and nortriptyline 125 mg/d
DeQuardo and Tandon 1988 ¹⁸	Case report	42/F/"DSM-III diagnosis of bipolar disorder, depressed, melancholic type"	"Combination of tricyclic antidepressants, lithium, carbamazepine, neuroleptics, and L-thyroxine"	Unilateral, nondominant, brief- pulse ECT	Within 24 hours of first ECT	 ECT was discontinued, and mania spontaneously resolved within 36 hours Patient became depressed again. She was started on lithium (serum level, 0.89 mEq/L), and ECT was resumed. She was euthymic after 4 ECT treatments. There was no resurgence of mania during 7 ECT treatments
		55/M/"depressed"	Not listed	wave treatment ECT Alternate-day bilateral brief-pulse ECT	After second ECT	 ECT treatments ECT was discontinued, and mania spontaneously resolved within 3 days
al 1988 ⁶		45/F/"depressive illness"	Not listed	ECT Alternate-day bilateral sinusoidal	Within 24 hours of first ECT	 ECT was discontinued, and mania spontaneously resolved within 2 days Depressive symptoms returned, so ECT was reinitiated. There was no resurgence of mania during
	series	disorder" 25/F/"depressed"	Not listed	bilateral sinusoidal wave treatment ECT Alternate-day bilateral brief-pulse	sixth ECT Within 24 hours of ninth ECT	 Depressive symptoms returned, so ECT was reinitiated. After third ECT, mania returned. ECT was discontinued, and mania spontaneously resolved within 2 days ECT was discontinued, and mania spontaneously resolved within 5 days
	Case	40/F/"depressive	Not listed	Type of ECT Utilized Alternate-day	Hypomania Within 12 hours of	ECT was discontinued, and mania spontaneously resolved within 2 days

Abbreviations: AMA = against medical advice, ECT = electroconvulsive therapy, MMSE = Mini-Mental State Examination, YMRS = Young Mania Rating Scale.

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