1.3 PHARMACOLOGICAL INTERVENTIONS FOR ACUTE DEPRESSION IN ADULTS WITH BIPOLAR DISORDER

Reference to included study:

Ekman M, Lindgren P, Miltenburger C, Meier G, Locklear JC, Chatterton ML. Cost effectiveness of quetiapine in patients with acute bipolar depression and in maintenance treatment after an acute depressive episode. PharmacoEconomics. 2012;30:513-30.

Study ID	Intervention details	Study population	Costs: description and values		Results: Cost-effectiveness	Comments	
Country		Study design	Outcomes: description and values				
Study type		Data sources					
Ekman and	<u>Interventions:</u>	Population:	Costs: Direct medical: hospitalisation,			Start in acute depression:	Perspective: NHS
colleagues		Adults aged 40 years	outpatient care, crisis teams, staff costs			Que and MS dominates all;	Currency: UK£
(2012)	Quetiapine (Que)	with bipolar disorder	including senior house officer (SHO),			Que dominates all except	Cost year: 2011
		(I or II) experiencing an	general practitioner (GP), community			Olz and Mixed	Time horizon: 5 years
UK	Quetiapine and mood	acute depressive	psychiatric nurse (CPN), practice nurse				Discounting: 3.5%
	stabiliser (lithium [Li] or	episode or being in	and dietician, drug acquisition,			ICER of Que versus Olz:	Applicability: Directly
Cost-utility	divalproex)	remission	laboratory tests, costs of adverse events		8,591/QALY	applicable	
analysis	(Que and MS)		included; indirect costs considered in				Quality: Very serious
		Study design:	sensitivity analysis		ICER of Que versus Mixed:	limitations; evidence	
	Olanzapine (Olz)	Decision analytic	 		£18,570/QALY	synthesis methods	
		modelling (discrete	Primary outcome:			inappropriate as	
	Olz and Li, Olz replaced by	event simulation)	QALY			Compared with Olz,	populations, phase of
	venlafaxine (Ven) in acute		,		probability of Que being	disorder and outcome	
	depression	Source of effectiveness	Costs and QALYs per 1000 people		cost-effective at WTP 0 and	measures differed	
	(Olz and Li 1)	data: RCTs and meta-	starting in acute depression:		£30,000/QALY: 21%; 90%	across RCTs used for	
		analyses	Que:	£21,874;	3.497		indirect comparisons
	Olz and Li, Olz replaced by		Que and MS:	£21,324;	3.524	Results (quetiapine versus	
	paroxetine in acute depression	Source of resource use	Olz:	£21,551;	3.460	olanzapine) robust under	Quetiapine and
	(Olz and Li 2)	data: Published data	Olz and Li 1:	£22,425;	3.495	several alternative scenarios	olanzapine are now
		based on expert	Olz and Li 2:	£22,073;	3.489	but moderately sensitive to	available in generic
	Aripiprazole, replaced by Olz	opinion	Ari:	£24,657;	3.472	inclusion of indirect costs,	form
	and Ven in acute depression		Mixed:	£21,618;	3.484	time horizon, treatment	
	(Ari)	Source of unit cost data:				duration and dosages	
		National sources					

Mixed scenario: risperidone in		
mania, Ven and Li in		
depression, Olz in		
maintenance (Mixed)		