

Medicine summary - Antipsychotics- lithium carbonate

			Case Group	Death Outcomes	Sole	
Case Count			698	14	291	
Reaction Count	Blood and lymphatic system disorders	Anaemia	6	0	1	
		Anaemia megaloblastic	1	0	0	
		Pancytopenia	1	0	0	
		Thrombocytopenia	2	0	0	
		Thrombocytosis	2	0	0	
		Lymphadenopathy	1	0	0	
		Splenomegaly	1	0	0	
		Eosinophilia	4	0	0	
		Leukocytosis	13	0	2	
		Neutrophilia	2	0	0	
		Leukopenia	2	0	0	
		Agranulocytosis	2	0	0	
		Neutropenia	7	0	1	
		Blood and lymphatic system disorders			44	0
	Cardiac disorders	Atrioventricular block	1	0	1	
		Brugada syndrome	1	1	0	
		Bundle branch block right	1	0	1	
		Sinoatrial block	1	0	0	
		Arrhythmia	4	3	0	
		Bradycardia	9	0	5	
		Extrasystoles	1	0	1	
		Tachycardia	8	0	1	
		Atrial fibrillation	1	0	1	
		Sinus tachycardia	1	0	1	
		Supraventricular extrasystoles	1	0	0	
		Cardiac arrest	2	1	0	
		Ventricular extrasystoles	1	0	0	
		Ventricular fibrillation	1	0	0	
		Ventricular tachycardia	2	0	1	
Cyanosis	2	0	0			
Palpitations	3	0	1			
Mitral valve incompetence	1	0	0			

 Outcome Description

 (Causality possible,Causality probable,Causality certain)

 Suspect Type

 Suspect Code

 Case Group

 GM

 Lithium Carbonate

Medicine summary - Antipsychotics- lithium carbonate

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Reaction Count	Cardiac disorders	Pulmonary valve stenosis	1	0	1
		Coronary artery thrombosis	1	0	0
		Angina pectoris	2	0	2
		Myocardial infarction	2	1	1
		Cardiac failure	2	0	0
		Right ventricular failure	1	0	0
		Cardiomyopathy	4	0	0
		Left ventricular hypertrophy	1	0	0
		Myocarditis	2	1	0
		Pericardial effusion	1	0	0
		Cardiac disorders		58	7
Congenital, familial and genetic disorders	Pulmonary artery stenosis congenital	1	0	0	
	Heart disease congenital	2	0	1	
	Ventricular septal defect	1	0	0	
	Ebstein's anomaly	1	0	0	
	Pulmonary valve stenosis congenital	1	0	1	
	Multiple congenital abnormalities	1	0	1	
	Deafness congenital	1	0	1	
	Cleft palate	1	0	0	
	Congenital hand malformation	1	0	0	
	Congenital, familial and genetic disorders		10	0	4
Ear and labyrinth disorders	Deafness	1	0	0	
	Hyperacusis	1	0	0	
	Vertigo	5	0	4	
	Ear and labyrinth disorders		7	0	4
Endocrine disorders	Adrenal insufficiency	1	1	0	
	Hyperprolactinaemia	3	0	0	
	Diabetes insipidus	26	1	19	
	Hyperparathyroidism	3	0	3	
	Goitre	5	0	4	
	Thyroid pain	1	0	1	
	Hyperthyroidism	4	0	3	
	Hypothyroidism	20	0	14	

 Outcome Description


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 Suspect Type

 Suspect Code

 Case Group

 GM

 Lithium Carbonate

Medicine summary - Antipsychotics- lithium carbonate

			Case Group	Death Outcomes	Sole
Reaction Count	Endocrine disorders	Myxoedema	3	0	2
		Endocrine disorders	66	2	46
	Eye disorders	Cataract	1	0	0
		Corneal pigmentation	1	0	0
		Eye pain	1	0	0
		Retinal disorder	1	0	0
		Conjunctivitis	2	0	2
		Ulcerative keratitis	1	0	0
		Blepharospasm	2	0	0
		Oculogyric crisis	1	0	1
		Mydriasis	2	0	0
		Pupillary reflex impaired	1	0	0
		Photophobia	2	0	1
		Papilloedema	2	0	1
		Macular degeneration	1	0	0
		Retinal degeneration	1	0	0
		Retinal pigmentation	1	0	0
		Retinal haemorrhage	1	0	0
		Visual acuity reduced	1	0	0
		Accommodation disorder	1	0	1
		Diplopia	1	0	0
		Vision blurred	2	0	2
		Visual impairment	9	0	5
	Optic neuropathy	1	0	0	
	Eye disorders	36	0	13	
	Gastrointestinal disorders	Tooth loss	1	0	0
		Pancreatitis	1	0	0
		Reflux oesophagitis	1	0	0
		Diarrhoea	24	0	17
		Constipation	6	0	4
		Dyspepsia	2	0	1
		Abdominal distension	2	0	1
		Abdominal pain	8	0	6

 Outcome Description


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 Suspect Type

 Suspect Code

 Case Group

 GM

 Lithium Carbonate

Medicine summary - Antipsychotics- lithium carbonate

		Case Group	Death Outcomes	Sole		
Reaction Count	Gastrointestinal disorders	Abdominal pain upper	1	0	0	
		Dysphagia	4	0	1	
		Nausea	38	0	24	
		Vomiting	24	0	8	
		Intestinal obstruction	1	1	0	
		Mouth ulceration	1	0	1	
		Stomatitis	3	0	2	
		Dry mouth	6	0	3	
		Saliva altered	1	0	1	
		Salivary hypersecretion	3	0	1	
		Salivary gland enlargement	1	0	0	
		Glossitis	3	0	1	
		Gastrointestinal disorders		131	1	71
		General disorders and administration site conditions	Hypothermia	1	0	1
	Hyperpyrexia		1	0	0	
	Pyrexia		24	1	5	
	Death		1	1	0	
	Sudden death		6	6	0	
	Asthenia		10	0	3	
	Fatigue		13	0	3	
	Malaise		5	0	3	
	Abasia		1	0	1	
	Gait disturbance		14	0	8	
	Condition aggravated		1	0	0	
	Irritability		1	0	0	
	Face oedema		2	0	0	
	Generalised oedema	2	0	2		
Gravitational oedema	2	0	2			
Oedema	3	0	0			
Oedema peripheral	5	0	2			
Chest pain	2	0	1			
Pain	1	0	0			
Chest discomfort	1	0	0			

 Outcome Description


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 Suspect Type

 Suspect Code


 Case Group

 GM


 Lithium Carbonate


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			Case Group	Death Outcomes	Sole
Reaction Count	General disorders and administration site conditions	Chills	2	0	0
		Feeling abnormal	2	0	0
		Feeling cold	1	0	1
		Thirst	6	0	2
		Drug interaction	8	0	1
		Drug ineffective	2	1	1
		Drug withdrawal syndrome neonatal	1	0	0
		General disorders and administration site conditions	118	9	36
	Hepatobiliary disorders	Jaundice	1	0	0
		Hepatic function abnormal	10	0	0
		Hepatic failure	2	1	0
		Hepatic steatosis	1	0	0
		Hepatitis	2	1	0
		Hepatobiliary disorders	16	2	0
	Immune system disorders	Drug hypersensitivity	1	0	0
		Immune system disorders	1	0	0
	Infections and infestations	Oesophageal candidiasis	1	0	0
		Vaginal infection	1	0	1
		Infection	1	0	0
		Sepsis	1	0	0
		Rhinitis	2	0	1
		Upper respiratory tract infection	1	0	1
		Pyelonephritis	1	0	0
		Urinary tract infection	2	0	0
		Varicella	1	0	0
		Influenza	1	0	1
		Viral infection	1	0	1
		Infections and infestations	13	0	5
		Injury, poisoning and procedural complications	Toxicity to various agents	28	0
	Drug exposure during pregnancy		2	0	1
	Fall		5	0	1
	Wrong technique in drug usage process		1	0	0

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 Suspect Code

 Case Group

 GM

 Lithium Carbonate

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Reaction Count	Injury, poisoning and procedural complications	Accidental overdose	1	0	0
		Intentional overdose	1	0	0
		Overdose	1	0	0
		Injury, poisoning and procedural complications	39	0	14
	Investigations	Echocardiogram abnormal	1	0	0
		Electrocardiogram QT prolonged	5	1	0
		Electrocardiogram abnormal	2	0	1
		Heart rate increased	3	0	2
		Blood pressure increased	1	0	0
		Blood parathyroid hormone increased	1	0	1
		Blood thyroid stimulating hormone decreased	3	0	1
		Thyroid function test abnormal	1	0	1
		Blood creatine phosphokinase increased	16	0	0
		Troponin I increased	1	0	0
		Blood alkaline phosphatase increased	3	0	1
		Prothrombin level decreased	1	0	0
		Red blood cell sedimentation rate increased	1	0	0
		Platelet count increased	2	0	0
		Plateletcrit increased	1	0	0
		Haemoglobin decreased	1	0	0
		Neutrophil count decreased	1	0	0
		Neutrophil count increased	2	0	1
		White blood cell count decreased	1	0	0
		White blood cell count increased	4	0	1
		Ultrasound liver abnormal	1	0	0
		Alanine aminotransferase increased	1	0	0
		Gamma-glutamyltransferase increased	1	0	1
Hepatic enzyme increased	2	0	1		
Liver function test abnormal	2	0	0		
Transaminases increased	1	0	0		
Carcinoembryonic antigen increased	1	0	1		
Laboratory test interference	1	0	1		
Lipids abnormal	1	0	0		

 Outcome Description


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 Suspect Type

 Suspect Code

 Case Group

 GM

 Lithium Carbonate

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Reaction Count	Investigations	Blood glucose increased	1	0	0	
		Electroencephalogram abnormal	2	0	0	
		Body temperature increased	1	0	0	
		Weight decreased	8	0	2	
		Weight increased	7	1	3	
		C-reactive protein increased	1	0	0	
		Blood creatine increased	1	0	0	
		Blood creatinine increased	4	0	1	
		Blood urea increased	1	0	0	
		Creatinine urine increased	1	0	0	
		Antipsychotic drug level above therapeutic	1	0	1	
		Antipsychotic drug level increased	2	0	0	
		Drug level above therapeutic	2	0	0	
		Drug level decreased	4	0	0	
		Drug level increased	50	0	11	
		Blood potassium	1	0	0	
		Urine osmolarity decreased	1	0	1	
		Investigations		150	2	32
		Metabolism and nutrition disorders	Metabolic acidosis	1	0	0
			Decreased appetite	12	1	5
Increased appetite	1		0	1		
Hypercalcaemia	8		0	5		
Hyperchloraemia	1		0	0		
Electrolyte imbalance	1		0	1		
Polydipsia	13		0	8		
Hyperkalaemia	2		1	1		
Hypokalaemia	5		0	0		
Hypernatraemia	8		0	4		
Hyponatraemia	7		1	2		
Dehydration	21		1	11		
Diabetes mellitus	3		0	0		
Hyperglycaemia	2		0	0		
Hyperlipidaemia	1		0	0		

 Outcome Description

 (Causality possible,Causality probable,Causality certain)

 Suspect Type

 Suspect Code


 Case Group

 GM


 Lithium Carbonate


Medicine summary - Antipsychotics- lithium carbonate


			Case Group	Death Outcomes	Sole	
Reaction Count	Metabolism and nutrition disorders	Metabolism and nutrition disorders	86	4	38	
	Musculoskeletal and connective tissue disorders	Bone loss	1	0	0	
		Osteomalacia	1	0	1	
		Arthritis	2	0	2	
		Arthralgia	5	0	4	
		Osteoarthritis	1	0	1	
		Myalgia	6	0	6	
		Muscle spasms	3	0	2	
		Muscle twitching	8	0	5	
		Muscle rigidity	2	0	0	
		Rhabdomyolysis	2	0	0	
		Spinal column stenosis	1	0	0	
		Muscle contracture	1	0	0	
		Musculoskeletal stiffness	1	0	0	
		Musculoskeletal and connective tissue disorders		34	0	21
		Neoplasms benign, malignant and unspecified (incl cysts and polyps)	Parathyroid tumour benign	1	0	1
	Pituitary tumour		1	0	0	
	Myeloproliferative disorder		1	0	0	
	Basal cell carcinoma		1	0	1	
	Neoplasms benign, malignant and unspecified (incl cysts and polyps)		4	0	2	
	Nervous system disorders	Cerebrovascular disorder	2	0	0	
		Encephalopathy	3	0	1	
		Toxic encephalopathy	1	0	0	
		Headache	19	0	12	
		Intracranial pressure increased	1	0	0	
		Dementia	2	0	1	
		Autism	1	0	1	
		Amnesia	10	0	6	
		Memory impairment	2	0	1	
		Cognitive disorder	1	0	0	
		Disturbance in attention	1	0	1	
		Choreoathetosis	1	0	0	

 Outcome Description


 (Causality possible,Causality probable,Causality certain)

 Suspect Type

 Suspect Code


 Case Group

 GM


 Lithium Carbonate


Medicine summary - Antipsychotics- lithium carbonate


Reaction Count			Case Group	Death Outcomes	Sole
	Nervous system disorders	Akathisia	2	0	0
		Bradykinesia	1	0	0
		Dyskinesia	18	0	5
		Extrapyramidal disorder	13	0	4
		Hyperkinesia	4	0	1
		Movement disorder	2	0	0
		Tardive dyskinesia	5	0	0
		Dystonia	6	0	0
		Opisthotonus	1	0	0
		Hemiparesis	1	0	0
		Locked-in syndrome	1	0	0
		Paresis	1	0	0
		Cogwheel rigidity	1	0	0
		Parkinsonism	3	0	0
		Tremor	86	1	30
		Hyperreflexia	8	0	1
		Ataxia	31	0	11
		Balance disorder	3	0	1
		Cerebellar syndrome	2	0	1
		Coordination abnormal	11	0	5
		Nystagmus	7	0	1
		Coma	8	1	3
		Diabetic hyperosmolar coma	1	0	0
		Aphasia	4	0	3
		Consciousness fluctuating	3	0	1
		Depressed level of consciousness	3	0	0
		Lethargy	6	0	1
		Loss of consciousness	1	0	0
		Sedation	3	0	0
		Somnolence	26	0	9
		Stupor	2	0	1
		Syncope	6	0	2
		Nervous system disorder	1	0	0

 Outcome Description


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 Suspect Type

 Suspect Code

 Case Group

 GM

 Lithium Carbonate

Medicine summary - Antipsychotics- lithium carbonate

			Case Group	Death Outcomes	Sole
Reaction Count	Nervous system disorders	Clonus	3	0	0
		Dizziness	20	0	8
		Meningism	1	0	0
		Myoclonus	1	0	0
		Dysaesthesia	1	0	1
		Paraesthesia	4	0	2
		Ageusia	1	0	1
		Dysgeusia	2	0	1
		Hypoaesthesia	3	0	1
		Neuralgia	2	0	1
		Dysarthria	11	0	2
		Incoherent	1	0	0
		Speech disorder	22	0	10
		Visual field defect	1	0	0
		Autonomic nervous system imbalance	1	0	0
		Upper motor neurone lesion	1	1	0
		Hypertonia	16	1	2
		Hypotonia	3	1	0
		Neuroleptic malignant syndrome	24	0	0
		Serotonin syndrome	9	0	0
		Neuritis	1	0	1
		Neuropathy peripheral	5	0	3
		Grand mal convulsion	4	0	3
		Convulsion	21	0	4
		Partial seizures	1	0	1
		Hypersomnia	1	0	0
			Nervous system disorders	475	5
	Pregnancy, puerperium and perinatal conditions	Abortion spontaneous	1	0	0
		Intra-uterine death	2	1	1
		Jaundice neonatal	3	0	2
		Unintended pregnancy	1	0	0
			Pregnancy, puerperium and perinatal conditions	7	1

 Outcome Description


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 Suspect Type

 Suspect Code

 Case Group

 GM

 Lithium Carbonate

Medicine summary - Antipsychotics- lithium carbonate

Reaction Count	Psychiatric disorders		Case Group	Death Outcomes	Sole
		Agitation	13	0	5
		Anxiety	6	0	2
		Stress	1	0	1
		Fear	1	0	0
		Panic disorder	1	0	0
		Catatonia	2	0	0
		Restlessness	2	0	0
		Bruxism	1	0	0
		Dysphemia	2	0	1
		Confusional state	60	0	17
		Delirium	16	0	7
		Depression	8	1	4
		Depressed mood	2	0	0
		Depressive symptom	1	0	1
		Psychomotor retardation	1	0	0
		Depersonalisation	1	0	1
		Delusion	1	0	0
		Delusional perception	1	0	1
		Hallucination	2	0	0
		Hallucination, auditory	1	0	1
		Hallucination, visual	1	0	1
		Poverty of thought content	1	0	1
		Thinking abnormal	8	0	5
		Thought blocking	1	0	1
		Hypomania	2	0	0
		Mania	7	0	2
		Affect lability	1	0	0
		Elevated mood	2	0	1
		Euphoric mood	1	0	0
		Frustration	1	0	0
		Aggression	4	0	1
		Homicidal ideation	1	0	0
		Personality disorder	1	0	1

 Outcome Description


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 Suspect Type

 Suspect Code


 Case Group

 GM


 Lithium Carbonate


Medicine summary - Antipsychotics- lithium carbonate


			Case Group	Death Outcomes	Sole	
Reaction Count	Psychiatric disorders	Self esteem decreased	1	0	0	
		Abnormal behaviour	2	0	2	
		Mental disorder due to a general medical condition	1	0	0	
		Alcoholism	1	0	0	
		Withdrawal syndrome	5	0	1	
		Psychotic disorder	4	0	1	
		Schizophrenia, disorganised type	1	0	0	
		Libido decreased	3	0	0	
		Insomnia	10	0	5	
		Nightmare	2	0	1	
		Sleep terror	1	0	0	
		Somnambulism	1	0	0	
		Sleep disorder	1	0	1	
		Completed suicide	1	1	0	
		Suicidal behaviour	1	0	0	
		Suicidal ideation	2	0	0	
		Suicide attempt	4	0	0	
		Psychiatric disorders			195	2
	Renal and urinary disorders	Nephrotic syndrome	1	0	1	
		Nephritis	1	0	0	
		Tubulointerstitial nephritis	1	0	1	
		Nephropathy toxic	1	0	0	
		Nephrogenic diabetes insipidus	5	0	4	
		Anuria	3	0	1	
		Oliguria	1	0	1	
		Renal failure	3	0	0	
		Renal failure acute	15	0	3	
		Renal impairment	28	1	14	
Azotaemia		3	0	0		
Renal cyst		1	0	1		
Urethral disorder		1	0	0		
Incontinence		1	0	0		
Micturition disorder	1	0	1			

 Outcome Description


 (Causality possible,Causality probable,Causality certain)

 Suspect Type

 Suspect Code

 Case Group

 GM

 Lithium Carbonate

Medicine summary - Antipsychotics- lithium carbonate

			Case Group	Death Outcomes	Sole
Reaction Count	Renal and urinary disorders	Pollakiuria	5	0	4
		Urinary incontinence	7	0	1
		Urinary retention	1	0	0
		Haematuria	1	0	0
		Nocturia	2	0	2
		Polyuria	17	0	13
		Nephrolithiasis	1	0	1
		Renal and urinary disorders	100	1	48
	Reproductive system and breast disorders	Breast mass	1	0	0
		Galactorrhoea	3	0	0
		Amenorrhoea	1	0	0
		Menorrhagia	1	0	1
		Prostatism	1	0	0
		Erectile dysfunction	4	0	2
		Priapism	2	0	0
		Infertility male	1	0	1
		Sexual dysfunction	1	0	0
		Reproductive system and breast disorders	15	0	4
	Respiratory, thoracic and mediastinal disorders	Bronchospasm	1	0	1
		Pulmonary fibrosis	1	0	0
		Pulmonary hypertension	2	0	0
		Dyspnoea	6	0	0
		Hypopnoea	1	0	0
		Respiratory depression	1	0	0
		Cough	3	0	1
		Sputum increased	1	0	0
		Respiratory disorder	1	0	0
		Dysphonia	1	0	0
		Sneezing	1	0	0
		Epistaxis	1	0	0
		Respiratory, thoracic and mediastinal disorders	20	0	2
		Skin and subcutaneous tissue disorders	Urticaria	8	0
	Skin hypertrophy		1	0	1

 Outcome Description


 (Causality possible,Causality probable,Causality certain)

 Suspect Type

 Suspect Code

 Case Group

 GM

 Lithium Carbonate

Medicine summary - Antipsychotics- lithium carbonate

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Reaction Count	Skin and subcutaneous tissue disorders	Erythema multiforme	2	0	1		
		Stevens-Johnson syndrome	1	0	0		
		Toxic epidermal necrolysis	1	0	0		
		Dry skin	1	0	1		
		Skin disorder	4	0	3		
		Skin lesion	1	0	1		
		Dermatitis	4	0	4		
		Eczema	1	0	1		
		Drug eruption	1	0	1		
		Rash erythematous	8	0	2		
		Skin exfoliation	1	0	0		
		Granuloma annulare	1	0	1		
		Photosensitivity reaction	6	0	1		
		Pruritus	15	0	9		
		Dermatitis psoriasiform	8	0	7		
		Psoriasis	8	0	6		
		Rash	9	0	4		
		Rash generalised	1	0	1		
		Rash maculo-papular	10	0	7		
		Rash morbilliform	6	0	3		
		Rash vesicular	1	0	1		
		Pigmentation disorder	1	0	0		
		Acne	8	0	6		
		Alopecia	12	1	6		
		Hyperhidrosis	16	0	3		
		Hypertrichosis	1	0	0		
		Nail disorder	1	0	0		
		Hair colour changes	1	0	1		
		Seborrhoea	2	0	1		
		Purpura	5	0	1		
		Skin and subcutaneous tissue disorders			146	1	79
		Social circumstances	Loss of employment	1	0	0	
Social circumstances	1		0	0			

 Outcome Description

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 Suspect Type

 Suspect Code

 Case Group

 GM

 Lithium Carbonate

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Reaction Count	Surgical and medical procedures	Off label use	1	0	0
		Therapy regimen changed	2	0	0
		Surgical and medical procedures	3	0	0
	Vascular disorders	Peripheral ischaemia	1	0	1
		Blood pressure fluctuation	1	0	0
		Circulatory collapse	1	0	0
		Hypotension	7	0	2
		Orthostatic hypotension	5	0	0
		Thrombosis	1	1	0
		Flushing	1	0	0
		Hot flush	1	0	1
		Pallor	1	0	1
		Hypertension	2	0	0
		Vascular disorders	21	1	5
		Reaction		1796	38

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🔻 Suspect Type

🔻 Suspect Code

🔻 Case Group

🔻 GM

🔻 Lithium Carbonate