

Frame 1 - Laboratory alterations caused by drugs used for nervous system treatments

Therapeutic class	Drugs	Laboratory alteration	
		<i>in vitro</i>	<i>in vivo</i>
Anticonvulsant	Valproic acid	- Ketone in urine (false positive)	- Thrombocytopenia (dose dependent) <sup>1</sup> - Anemia <sup>2</sup> - Hypoproteinemia <sup>2</sup> - Leukopenia <sup>2</sup> - Prolonged bleeding time <sup>2</sup> - ↑ serum levels of AST and ALT <sup>2</sup>
Anxiolytic	Alprazolam	- ND	- Hyperbilirubinemia (immediate-release alprazolam) <sup>3</sup>
Antiparkinsonian	Amantadine	- ND	- ↑ serum creatinine levels <sup>6</sup> - ↓ Glomerular Filtration Rate <sup>6</sup> - ↑ TAP and TTPA <sup>6</sup> - ↑ serum levels of creatine phosphokinase <sup>6</sup>
Antidepressant	Amitriptyline	- Greenish or blue urine	- Hyponatremia <sup>6</sup> - Hyperglycemia <sup>6</sup> - Hypoglycemia <sup>6</sup> - Eosinophilia <sup>6</sup> - Agranulocytosis <sup>6</sup> - ↑ serum levels of bilirubin <sup>6</sup> - ↑ serum levels of alkaline phosphatase <sup>6</sup> - Thrombocytopenia <sup>6</sup>
Antiparkinsonian	Biperiden	- ND	- ND
Antidepressant	Bupropion	- Amphetamine in urine (false positive)	- ↑ serum levels of AST and ALT <sup>1</sup> - Glycosuria <sup>3</sup> - Hyperglycemia <sup>6</sup> - Hypoglycemia <sup>6</sup> - Hyponatremia <sup>6</sup> - Anemia <sup>6</sup> - Leukocytosis <sup>6</sup> - Leukopenia <sup>6</sup> - Pancytopenia <sup>6</sup> - Thrombocytopenia <sup>6</sup>
Anticonvulsant	Carbamazepine	- False increase in perphenazine levels by HPLC - Tricyclic antidepressants (false positive) - Test for detection of HCG (false negative)	- Leukopenia <sup>1</sup> - ↑ serum levels of GGT <sup>1</sup> - Thrombocytopenia <sup>2</sup> - ↑ serum levels of AST and ALT <sup>2</sup> - ↑ serum levels of alkaline phosphatase <sup>2</sup> - Hyponatremia <sup>2</sup> - Eosinophilia <sup>2</sup> - ↑ serum levels of HDL-c <sup>3</sup> - Hypercholesterolemia <sup>3</sup> - Leukocytosis <sup>4</sup> - Hyperuricemia <sup>5</sup> - Aplastic anemia <sup>5</sup> - Hypertriglyceridemia <sup>5</sup> - Neutropenia <sup>6</sup> - Lymphocytosis <sup>6</sup> - Macrocytosis <sup>6</sup> - Proteinuria <sup>6</sup> - Glycosuria <sup>6</sup>
Mood stabilizer	Lithium carbonate	- ND	- Leukocytosis <sup>3</sup> - Hypercalcemia <sup>6</sup>

			- ↓ Glomerular Filtration Rate <sup>6</sup>
Antidepressant	Citalopram	- ND	<ul style="list-style-type: none"> <li>- ↑ serum levels of AST and ALT<sup>3</sup></li> <li>- ↑ serum levels of alkaline phosphatase<sup>3</sup></li> <li>- Hyperbilirubinemia<sup>3</sup></li> <li>- Anemia<sup>3</sup></li> <li>- Disturbance of the hemostatic components of the blood<sup>3</sup></li> <li>- Hypochromic anemia<sup>3</sup></li> <li>- Leukocytosis<sup>3</sup></li> <li>- Leukopenia<sup>3</sup></li> <li>- Lymphocytopenia<sup>3</sup></li> <li>- Lymphocytosis<sup>3</sup></li> <li>- Hyponatremia<sup>4</sup></li> <li>- Hypokalemia<sup>6</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> <li>- ↑ serum levels of creatinine<sup>6</sup></li> <li>- ↓ Glomerular Filtration Rate<sup>6</sup></li> </ul>
Anxiolytic	Clobazam	- ND	- ND
Antidepressant	Clomipramine	- ND	<ul style="list-style-type: none"> <li>- ↑ serum levels of ALT and AST<sup>2</sup></li> <li>- Agranulocytosis<sup>6</sup></li> <li>- Albuminuria<sup>6</sup></li> <li>- Anemia<sup>6</sup></li> <li>- Presence of occult blood in the stool<sup>6</sup></li> <li>- Glycosuria<sup>6</sup></li> <li>- Hematuria<sup>6</sup></li> <li>- Hyperglycemia<sup>6</sup></li> <li>- Hypoglycemia<sup>6</sup></li> <li>- Hypercholesterolemia<sup>6</sup></li> <li>- Hyperuricemia<sup>6</sup></li> <li>- Leukemoid reaction<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Pancytopenia<sup>6</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> </ul>
Anxiolytic	Clonazepam	- ND	<ul style="list-style-type: none"> <li>- Anemia<sup>6</sup></li> <li>- Eosinophilia<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Pancytopenia<sup>6</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> <li>- ↑ AST and ALT serum levels (transient)<sup>6</sup></li> <li>- ↑ serum levels of alkaline phosphatase<sup>6</sup></li> </ul>
Anxiolytic	Chlorpromazine	<ul style="list-style-type: none"> <li>- Phenylketonuria test (false positive)</li> <li>- Salicylate in urine (false positive)</li> <li>- Test for detection of HCG (false negative or false positive)</li> <li>- Bilirubin in urine (false positive)</li> <li>- Urobilinogen in urine (false positive)</li> </ul>	<ul style="list-style-type: none"> <li>- Glucose intolerance<sup>2</sup></li> <li>- Hyperprolactinemia<sup>2</sup></li> <li>- Agranulocytosis<sup>6</sup></li> <li>- Aplastic anemia<sup>6</sup></li> <li>- Eosinophilia<sup>6</sup></li> <li>- Hemolytic anemia<sup>6</sup></li> <li>- Immune thrombocytopenia<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Pancytopenia<sup>6</sup></li> <li>- Hyperglycemia<sup>6</sup></li> <li>- Hypertriglyceridemia<sup>6</sup></li> <li>- ↑ serum levels of alkaline phosphatase<sup>6</sup></li> <li>- ↑ AST and ALT serum levels<sup>6</sup></li> <li>- Hyperbilirubinemia<sup>6</sup></li> <li>- Hyponatremia<sup>6</sup></li> </ul>
Antipsychotic	Clozapine	- ND	<ul style="list-style-type: none"> <li>- Leukopenia<sup>2</sup></li> <li>- Eosinophilia<sup>2</sup></li> <li>- Leukocytosis<sup>2</sup></li> <li>- ↑ serum levels AST and ALT<sup>2</sup></li> </ul>

			<ul style="list-style-type: none"> <li>- Agranulocytosis<sup>3</sup></li> <li>- ↑ serum levels of alkaline phosphatase<sup>3</sup></li> <li>- Anemia<sup>4</sup></li> <li>- Decreased glucose tolerance<sup>4</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> <li>- Severe hyperglycemia<sup>6</sup></li> <li>- Hypercholesterolemia<sup>6</sup></li> <li>- Hypertriglyceridemia<sup>6</sup></li> <li>- ↑ serum levels of creatine phosphokinase<sup>6</sup></li> </ul>
Anxiolytic	Diazepam	- ND	<ul style="list-style-type: none"> <li>- Anemia<sup>3</sup></li> <li>- Neutropenia<sup>3</sup></li> <li>- ↑ serum levels of alkaline phosphatase<sup>6</sup></li> <li>- ↑ serum levels of AST and ALT<sup>6</sup></li> </ul>
Analgesic/ Antipyretic	Dipyrene	- ND	<ul style="list-style-type: none"> <li>- Aplastic anemia<sup>6</sup></li> <li>- Agranulocytosis<sup>6</sup></li> <li>- Pancytopenia<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> <li>- ↑ Glomerular Filtration Rate<sup>6</sup></li> <li>- ↑ serum levels of ALT and AST<sup>6</sup></li> </ul>
Alzheimer's	Donepezil	- ND	<ul style="list-style-type: none"> <li>- Hyperlipidemia<sup>2</sup></li> <li>- Hyponatremia<sup>6</sup></li> <li>- Hemolytic anemia<sup>6</sup></li> <li>- ↑ serum levels of creatine phosphokinase<sup>6</sup></li> <li>- ↑ TAP and TTPA<sup>6</sup></li> </ul>
Antiparkinsonian	Entacapone	- ND	<ul style="list-style-type: none"> <li>- ↓ serum levels of Iron<sup>2</sup></li> <li>- ↑ serum levels of AST and ALT<sup>4</sup></li> <li>- ↑ serum levels of GGT<sup>4</sup></li> <li>- ↑ serum levels of creatine phosphokinase<sup>6</sup></li> </ul>
Anticonvulsant	Phenytoin	<ul style="list-style-type: none"> <li>- Barbiturates in urine (false positive)</li> <li>- May cause lower than normal dexamethasone suppression test results</li> </ul>	<ul style="list-style-type: none"> <li>- Thrombocytopenia<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Agranulocytosis<sup>6</sup></li> <li>- Pancytopenia<sup>6</sup></li> <li>- Macrocytosis<sup>6</sup></li> <li>- ↑ transient AST and ALT serum levels<sup>6</sup></li> <li>- ↓ serum levels of T4<sup>6</sup></li> <li>- ↑ serum levels of GGT<sup>6</sup></li> <li>- Hyperglycemia<sup>6</sup></li> <li>- ↑ serum levels of alkaline phosphatase<sup>6</sup></li> </ul>
Anticonvulsant	Phenobarbital	- False increase in pentobarbital levels	<ul style="list-style-type: none"> <li>- Megaloblastic anemia<sup>6</sup></li> <li>- Thrombocytopenia (associated with hypersensitivity syndrome)<sup>6</sup></li> <li>- ↓ serum levels of AST and ALT<sup>6</sup></li> <li>- Eosinophilia (associated with hypersensitivity syndrome)<sup>6</sup></li> <li>- ↓ serum bilirubin levels (mainly in newborns)<sup>6</sup></li> </ul>
Antidepressant	Fluoxetine	- ND	<ul style="list-style-type: none"> <li>- Albuminuria<sup>3</sup></li> <li>- Hypercholesterolemia<sup>3</sup></li> <li>- Hypothyroidism<sup>3</sup></li> <li>- ↑ serum levels of ALT and AST<sup>3</sup></li> <li>- Platelet disorders<sup>6</sup></li> <li>- Hyponatremia<sup>6</sup></li> <li>- Hypoglycemia<sup>6</sup></li> <li>- Hypokalemia<sup>6</sup></li> <li>- Hyperprolactinemia<sup>6</sup></li> <li>- Aplastic anemia<sup>6</sup></li> </ul>

Laboratory alterations caused by drugs acting on the nervous system which are part of the List of essential drugs of a northeastern Brazilian municipality. DOI: <https://doi.org/10.30968/rbfhss.2024.151.1020>

			- Thrombocytopenia <sup>6</sup>
Anticonvulsant	Gabapentin	- False positives in the Ames N-Multistix SG® test (when gabapentin was associated with other anticonvulsant drugs. To determine proteinuria, the more specific procedure of precipitating sulfosalicylic acid is recommended)	- Hyperglycemia <sup>2</sup> - Eosinophilia <sup>3</sup> - Hypoglycemia <sup>6</sup> - Hyponatremia <sup>6</sup> - ↑ serum levels of ALT and AST <sup>6</sup> - ↑ serum levels of creatinine <sup>6</sup>
Alzheimer's	Galantamine	- ND	- ↑ serum levels of ALT and AST <sup>6</sup>
Antipsychotic	Haloperidol	- ND	- Hyperprolactinemia <sup>2</sup> - Hypoglycemia <sup>6</sup> - Leukopenia <sup>6</sup> - Neutropenia <sup>6</sup> - Agranulocytosis <sup>6</sup> - Pancytopenia <sup>6</sup>
Antihistamine	Hydroxyzine	- ND	- ND
Anticonvulsant	Lamotrigine	- ND	- Agranulocytosis <sup>6</sup> - Eosinophilia <sup>6</sup> - Neutropenia <sup>6</sup> - Pancytopenia <sup>6</sup> - Pure erythrocyte aplasia <sup>6</sup> - Aplastic anemia <sup>6</sup> - ↑ serum levels of ALT and AST <sup>6</sup> - ↑ serum levels of alkaline phosphatase <sup>6</sup> - Hyperbilirubinemia <sup>6</sup> - ↓ fibrin levels <sup>6</sup> - ↑ TAP and TTPA <sup>6</sup>
Anticonvulsant	Levetiracetam	- ND	- Eosinophilia <sup>2</sup> - Thrombocytopenia <sup>3</sup> - Agranulocytosis <sup>6</sup> - Leukopenia <sup>6</sup> - Neutropenia <sup>6</sup> - Pancytopenia <sup>6</sup> - Hyponatremia <sup>6</sup>
Antiparkinsonian	Levodopa + Benserazide	- Glucose in urine (false negative) - Urinary ketone (false positive) - False increase in levels of catecholamines and their metabolites in urine and plasma - Coombs test (false positive)	- ↑ serum levels of LDH <sup>6</sup> - Hyperuricemia <sup>6</sup> - Agranulocytosis <sup>6</sup> - Hemolytic anemia <sup>6</sup> - Leukopenia <sup>6</sup> - Thrombocytopenia <sup>6</sup> - ↑ serum levels of ALT and AST <sup>6</sup> - ↑ serum levels of alkaline phosphatase <sup>6</sup> - Hyperbilirubinemia <sup>6</sup> - ↑ serum levels of GGT <sup>6</sup>
Antipsychotic	Levomepromazine	- ND	- Hyperglycemia <sup>6</sup> - Hyperprolactinemia <sup>6</sup> - Hyponatremia <sup>6</sup> - Agranulocytosis <sup>6</sup> - Eosinophilia <sup>6</sup> - Granulocytopenia <sup>6</sup> - Immune thrombocytopenia <sup>6</sup> - Leukopenia <sup>6</sup> - Neutropenia <sup>6</sup> - Thrombocytopenia <sup>6</sup>
ADHD	Methylphenidate	- ND	- Anemia <sup>6</sup>

			<ul style="list-style-type: none"> <li>- Leukopenia<sup>6</sup></li> <li>- ↑ serum levels of ALT and AST<sup>6</sup></li> </ul>
Alzheimer's	Memantine	- ND	<ul style="list-style-type: none"> <li>- Agranulocytosis<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Pancytopenia<sup>6</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> <li>- Thrombotic thrombocytopenic purpura<sup>6</sup></li> </ul>
Reduces withdrawal symptoms associated with smoking cessation	Nicotine	- ND	- ND
Antidepressant	Nortriptyline	- ND	<ul style="list-style-type: none"> <li>- Hyponatremia<sup>6</sup></li> <li>- Hyperglycemia<sup>6</sup></li> <li>- Agranulocytosis<sup>6</sup></li> <li>- Eosinophilia<sup>6</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> </ul>
Anticonvulsant	Oxcarbazepine	- ND	<ul style="list-style-type: none"> <li>- Hyponatremia<sup>2</sup></li> <li>- ↑ serum levels of ALT and AST<sup>3</sup></li> <li>- Leukopenia<sup>3</sup></li> <li>- Aplastic anemia<sup>6</sup></li> <li>- Agranulocytosis<sup>6</sup></li> <li>- Pancytopenia<sup>6</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> <li>- Neutropenia<sup>6</sup></li> <li>- ↑ Lipase<sup>6</sup></li> <li>- ↑ Amylase<sup>6</sup></li> </ul>
Analgesic/ Antipyretic	Paracetamol	- 5-hydroxyindoleacetic acid urinary (false positive)	<ul style="list-style-type: none"> <li>- Hypoalbuminemia<sup>2</sup></li> <li>- Hypokalemia<sup>2</sup></li> <li>- Hypomagnesemia<sup>2</sup></li> <li>- Hypophosphatemia<sup>2</sup></li> <li>- ↑ serum levels of ALT and AST<sup>3</sup></li> <li>- Hyperbilirubinemia<sup>6</sup></li> <li>- ↑ serum levels of LDH<sup>6</sup></li> <li>- ↑ prothrombin time<sup>6</sup></li> <li>- Hypoglycemia<sup>6</sup></li> <li>- False increase in serum levels of uric acid<sup>6</sup></li> </ul>
Analgesic	Paracetamol + Codeine	- ND	- ↑ serum levels of ALT and AST <sup>6</sup>
Antiparkinsonian	Pramipexole	- ND	- ND
Antidepressant	Paroxetine	- ND	<ul style="list-style-type: none"> <li>- Hyponatremia<sup>6</sup></li> <li>- Hypercalcemia<sup>6</sup></li> <li>- Hypercholesterolemia<sup>6</sup></li> <li>- Hyperglycemia<sup>6</sup></li> <li>- Hyperkalemia<sup>6</sup></li> <li>- Hyperphosphatemia<sup>6</sup></li> <li>- Hyperthyroidism<sup>6</sup></li> <li>- Hypocalcemia<sup>6</sup></li> <li>- Hypoglycemia<sup>6</sup></li> <li>- Anemia (hypochromic, microcytic, normocytic and iron deficiency)<sup>6</sup></li> <li>- Agranulocytosis<sup>6</sup></li> <li>- Basophilia<sup>6</sup></li> <li>- Eosinophilia<sup>6</sup></li> <li>- Hypergammaglobulinemia<sup>6</sup></li> <li>- Leukocytosis<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Prolonged bleeding time<sup>6</sup></li> </ul>

			<ul style="list-style-type: none"> <li>- Thrombocytopenia<sup>6</sup></li> <li>- Hyperbilirubinemia<sup>6</sup></li> <li>- ↑ serum levels of ALT and AST<sup>6</sup></li> <li>- Hyperprolactinemia<sup>6</sup></li> </ul>
Myasthenia gravis	Pyridostigmine	- ND	- ND
Anticonvulsant / Anxiolytic	Pregabalin	- ND	<ul style="list-style-type: none"> <li>- Hypoglycemia<sup>2</sup></li> <li>- ↑ serum levels of creatine phosphokinase<sup>2</sup></li> <li>- Thrombocytopenia<sup>2</sup></li> <li>- ↑ serum levels of ALT and AST<sup>2</sup></li> <li>- Hypochromic anemia<sup>6</sup></li> <li>- Leukocytosis<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Eosinophilia<sup>6</sup></li> </ul>
Antipsychotic	Quetiapine	- ND	<ul style="list-style-type: none"> <li>- ↓ serum levels of HDL-c<sup>1</sup></li> <li>- Hypercholesterolemia<sup>1</sup></li> <li>- ↓ Hemoglobin<sup>1</sup></li> <li>- Hyperglycemia<sup>2</sup></li> <li>- ↓ serum levels of T4<sup>2</sup></li> <li>- Neutropenia<sup>2</sup></li> <li>- ↑ serum levels of ALT and AST<sup>2</sup></li> <li>- ↓ serum levels of T3<sup>3</sup></li> <li>- Eosinophilia<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> </ul>
Antiparkinsonian	Rasagiline	- ND	- ND
Amyotrophic lateral sclerosis	riluzole	- ND	<ul style="list-style-type: none"> <li>- ↑ serum levels of ALT and AST<sup>1</sup></li> <li>- Neutropenia<sup>6</sup></li> </ul>
Antipsychotic	Risperidone	- ND	<ul style="list-style-type: none"> <li>- Hyperprolactinemia<sup>1</sup></li> <li>- Neutropenia<sup>2</sup></li> <li>- ↓ serum levels of HDL-c<sup>2</sup></li> <li>- Hypercholesterolemia<sup>2</sup></li> <li>- Hyperglycemia<sup>2</sup></li> <li>- Neutropenia<sup>2</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> <li>- Agranulocytosis<sup>6</sup></li> </ul>
Alzheimer's	Rivastigmine	- ND	- ND
Antidepressant	Sertraline	- False positive for benzodiazepines in urine	<ul style="list-style-type: none"> <li>- Hypoglycemia<sup>2</sup></li> <li>- ↑ serum levels of ALT and AST<sup>2</sup></li> <li>- Hyponatremia<sup>6</sup></li> <li>- Hyperprolactinemia<sup>6</sup></li> <li>- Agranulocytosis<sup>6</sup></li> <li>- Aplastic anemia<sup>6</sup></li> <li>- Increased clotting time<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- Neutropenia<sup>6</sup></li> <li>- Pancytopenia<sup>6</sup></li> </ul>
Anticonvulsant	Topiramate	- ND	<ul style="list-style-type: none"> <li>- ↓ serum levels of bicarbonate<sup>1</sup></li> <li>- Hyperammonemia<sup>1</sup></li> <li>- ↑ serum levels of GGT<sup>2</sup></li> <li>- Hypophosphatemia<sup>6</sup></li> <li>- Hyperchloremia<sup>6</sup></li> <li>- ↑ serum levels of total protein<sup>6</sup></li> <li>- ↑ serum levels of uric acid<sup>6</sup></li> </ul>
Antidepressant	Venlafaxine	- ND	- Hypercholesterolemia <sup>2</sup>

			<ul style="list-style-type: none"> <li>- Hypercholesterolemia<sup>2</sup></li> <li>- Hyponatremia<sup>6</sup></li> <li>- Hyperprolactinemia<sup>6</sup></li> <li>- Agranulocytosis<sup>6</sup></li> <li>- Aplastic anemia<sup>6</sup></li> <li>- Neutropenia<sup>6</sup></li> <li>- Pancytopenia<sup>6</sup></li> <li>- Prolonged bleeding time<sup>6</sup></li> <li>- Thrombocytopenia<sup>6</sup></li> <li>- ↑ serum levels of ALT and AST<sup>6</sup></li> </ul>
Anticonvulsant	Vigabatrin	- ↑ Amino acids in the urine, leading to a false-positive test for certain rare genetic metabolic diseases (eg alpha aminoacidic aciduria)	<ul style="list-style-type: none"> <li>- Anemia<sup>2</sup></li> <li>- ↓ Hemoglobin<sup>2</sup></li> <li>- ↓ serum levels of ALT and AST<sup>6</sup></li> </ul>
Antipsychotic	Ziprasidone	- ND	<ul style="list-style-type: none"> <li>- Agranulocytosis<sup>6</sup></li> <li>- Anemia<sup>6</sup></li> <li>- Eosinophilia<sup>6</sup></li> <li>- Leukocytosis<sup>6</sup></li> <li>- Leukopenia<sup>6</sup></li> <li>- ↑ serum levels of alkaline phosphatase<sup>6</sup></li> <li>- ↑ ALT and AST serum levels<sup>4</sup></li> <li>- Hyperprolactinemia<sup>6</sup></li> <li>- Hypoglycemia<sup>6</sup></li> <li>- Hypomagnesemia<sup>6</sup></li> <li>- Hypoproteinemia<sup>6</sup></li> <li>- ↑ serum levels of urea nitrogen<sup>6</sup></li> <li>- ↑ serum levels of GGT<sup>6</sup></li> <li>- ↑ serum levels of creatinine<sup>6</sup></li> </ul>

Frequency of Adverse Reactions according to MedDRA classification (*in vivo laboratory abnormalities*): <sup>1</sup>: very common (≥ 10%); <sup>2</sup>: common or frequent (≥ 1% and < 10%); <sup>3</sup>: uncommon or infrequent (≥ 0.1% and < 1%); <sup>4</sup>: rare (≥ 0.01% and < 0.1%); <sup>5</sup>: very rare (< 0.01%); <sup>6</sup>: unknown (cannot be estimated). ALT: alanine aminotransferase; AST: aspartate aminotransferase; GGT: gamma glutamyltransferase; HCG: human chorionic gonadotropin; HDL-c: high-density lipoprotein cholesterol; LDH: lactate dehydrogenase; N/D: nothing to declare; TAP and APTT: Prothrombin Activity Time and Activated Partial Thromboplastin Time.

Quadro 1 – Alterações laboratoriais causadas por medicamentos utilizados para tratamentos no sistema nervoso

Classe terapêutica	Medicamento	Alteração laboratorial	
		<i>in vitro</i>	<i>in vivo</i>
Anticonvulsivante	Ácido valpróico	- Cetona na urina (falso positivo)	<ul style="list-style-type: none"> <li>- Trombocitopenia (dose dependente)<sup>1</sup></li> <li>- Anemia<sup>2</sup></li> <li>- Hipoproteinemia<sup>2</sup></li> <li>- Leucopenia<sup>2</sup></li> <li>- Tempo de sangramento prolongado<sup>2</sup></li> <li>- ↑ níveis séricos de AST e ALT<sup>2</sup></li> </ul>
Ansiolítico	Alprazolam	- N/A	- Hiperbilirrubinemia (alprazolam de liberação imediata) <sup>3</sup>
Antiparkinsoniano	Amantadina	- N/A	<ul style="list-style-type: none"> <li>- ↑ níveis séricos de creatinina<sup>6</sup></li> <li>- ↓ Taxa de Filtração Glomerular<sup>6</sup></li> <li>- ↑ TAP e TTPA<sup>6</sup></li> <li>- ↑ níveis séricos de creatinofosfoquinase<sup>6</sup></li> </ul>

Antidepressivo	Amitriptilina	- Urina esverdeada ou azul	- Hiponatremia <sup>6</sup> - Hiperglicemia <sup>6</sup> - Hipoglicemia <sup>6</sup> - Eosinofilia <sup>6</sup> - Agranulocitose <sup>6</sup> - ↑ níveis séricos de bilirrubina <sup>6</sup> - ↑ níveis séricos de fosfatase alcalina <sup>6</sup> - Trombocitopenia <sup>6</sup>
Antiparkinsoniano	Biperideno	- N/A	- N/A
Antidepressivo	Bupropiona	- Anfetamina na urina (falso positivo)	- ↑ níveis séricos de AST e ALT <sup>1</sup> - Glicosúria <sup>3</sup> - Hiperglicemia <sup>6</sup> - Hipoglicemia <sup>6</sup> - Hiponatremia <sup>6</sup> - Anemia <sup>6</sup> - Leucocitose <sup>6</sup> - Leucopenia <sup>6</sup> - Pancitopenia <sup>6</sup> - Trombocitopenia <sup>6</sup>
Anticonvulsivante	Carbamazepina	- Falso aumento nos níveis de perfenazina por HPLC - Presença de antidepressivos tricíclicos (falso positivo) - Detecção de HCG (falso negativo)	- Leucopenia <sup>1</sup> - ↑ níveis séricos GGT <sup>1</sup> - Trombocitopenia <sup>2</sup> - ↑ níveis séricos de AST e ALT <sup>2</sup> - ↑ níveis séricos de fosfatase alcalina <sup>2</sup> - Hiponatremia <sup>2</sup> - Eosinofilia <sup>2</sup> - ↑ níveis séricos de HDL-c <sup>3</sup> - Hipercolesterolemia <sup>3</sup> - Leucocitose <sup>4</sup> - Hiperuricemia <sup>5</sup> - Anemia aplástica <sup>5</sup> - Hipertrigliceridemias <sup>5</sup> - Neutropenia <sup>6</sup> - Linfocitose <sup>6</sup> - Macrocitose <sup>6</sup> - Proteinúria <sup>6</sup> - Glicosúria <sup>6</sup>
Estabilizador de humor	Carbonato de lítio	- N/A	- Leucocitose <sup>3</sup> - Hipercalcemia <sup>6</sup> - ↓ Taxa de Filtração Glomerular <sup>6</sup>
Antidepressivo	Citalopram	- N/A	- ↑ níveis séricos de AST e ALT <sup>3</sup> - ↑ níveis séricos de fosfatase alcalina <sup>3</sup> - Hiperbilirrubinemia <sup>3</sup> - Anemia <sup>3</sup> - Distúrbio dos componentes hemostáticos do sangue <sup>3</sup> - Anemia hipocrômica <sup>3</sup> - Leucocitose <sup>3</sup> - Leucopenia <sup>3</sup> - Linfocitopenia <sup>3</sup> - Linfocitose <sup>3</sup> - Hiponatremia <sup>4</sup> - Hipocalemia <sup>6</sup> - Trombocitopenia <sup>6</sup> - ↑ níveis séricos de creatinina <sup>6</sup> - ↓ Taxa de Filtração Glomerular <sup>6</sup>
Ansiolítico	Clobazam	- N/A	- N/A
Antidepressivo	Clomipramina	- N/A	- ↑ níveis séricos de ALT e AST <sup>2</sup> - Agranulocitose <sup>6</sup>



			<ul style="list-style-type: none"> <li>- Albuminúria<sup>6</sup></li> <li>- Anemia<sup>6</sup></li> <li>- Presença de sangue oculto nas fezes<sup>6</sup></li> <li>- Glicosúria<sup>6</sup></li> <li>- Hematúria<sup>6</sup></li> <li>- Hiperglicemia<sup>6</sup></li> <li>- Hipoglicemia<sup>6</sup></li> <li>- Hipercolesterolemia<sup>6</sup></li> <li>- Hiperuricemia<sup>6</sup></li> <li>- Reação leucemoide<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Pancitopenia<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> </ul>
Ansiolítico	Clonazepam	- N/A	<ul style="list-style-type: none"> <li>- Anemia<sup>6</sup></li> <li>- Eosinofilia<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Pancitopenia<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> <li>- ↑ níveis séricos de AST e ALT (transitório)<sup>6</sup></li> <li>- ↑ níveis séricos de fosfatase alcalina<sup>6</sup></li> </ul>
Ansiolítico	Clorpromazina	<ul style="list-style-type: none"> <li>- Fenilcetonúria (falso positivo)</li> <li>- Salicilato na urina (falso positivo)</li> <li>- Detecção de HCG (falso positivo ou falso negativo)</li> <li>- Bilirrubina na urina (falso positivo)</li> <li>- Urobilinogênio na urina (falso positivo)</li> </ul>	<ul style="list-style-type: none"> <li>- Intolerância à glicose<sup>2</sup></li> <li>- Hiperprolactinemia<sup>2</sup></li> <li>- Agranulocitose<sup>6</sup></li> <li>- Anemia aplástica<sup>6</sup></li> <li>- Eosinofilia<sup>6</sup></li> <li>- Anemia hemolítica<sup>6</sup></li> <li>- Trombocitopenia imune<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Pancitopenia<sup>6</sup></li> <li>- Hiperglicemia<sup>6</sup></li> <li>- Hipertrigliceridemia<sup>6</sup></li> <li>- ↑ níveis séricos de fosfatase alcalina<sup>6</sup></li> <li>- ↑ níveis séricos de AST e ALT<sup>6</sup></li> <li>- Hiperbilirrubinemia<sup>6</sup></li> <li>- Hiponatremia<sup>6</sup></li> </ul>
Antipsicótico	Clozapina	- N/A	<ul style="list-style-type: none"> <li>- Leucopenia<sup>2</sup></li> <li>- Eosinofilia<sup>2</sup></li> <li>- Leucocitose<sup>2</sup></li> <li>- ↑ níveis séricos de AST e ALT<sup>2</sup></li> <li>- Agranulocitose<sup>3</sup></li> <li>- ↑ níveis séricos de fosfatase alcalina<sup>3</sup></li> <li>- Anemia<sup>4</sup></li> <li>- Redução da tolerância à glicose<sup>4</sup></li> <li>- Trombocitopenia<sup>6</sup></li> <li>- Hiperglicemia grave<sup>6</sup></li> <li>- Hipercolesterolemia<sup>6</sup></li> <li>- Hipertrigliceridemia<sup>6</sup></li> <li>- ↑ níveis séricos de creatinofosfoquinase<sup>6</sup></li> </ul>
Ansiolítico	Diazepam	- N/A	<ul style="list-style-type: none"> <li>- Anemia<sup>3</sup></li> <li>- Neutropenia<sup>3</sup></li> <li>- ↑ níveis séricos de fosfatase alcalina<sup>6</sup></li> <li>- ↑ níveis séricos de AST e ALT<sup>6</sup></li> </ul>
Analgésico/ Antipirético	Dipirona	- N/A	<ul style="list-style-type: none"> <li>- Anemia aplástica<sup>6</sup></li> <li>- Agranulocitose<sup>6</sup></li> <li>- Pancitopenia<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> <li>- ↑ Taxa de Filtração Glomerular<sup>6</sup></li> <li>- ↑ níveis séricos de ALT e AST<sup>6</sup></li> </ul>

Alzheimer	Donepezila	- N/A	- Hiperlipidemia <sup>2</sup> - Hiponatremia <sup>6</sup> - Anemia hemolítica <sup>6</sup> - ↑ níveis séricos de creatinofosfoquinase <sup>6</sup> - ↑ TAP e TTPA <sup>6</sup>
Antiparkinsoniano	Entacapona	- N/A	- ↓ Ferro Sérico <sup>2</sup> - ↑ níveis séricos de AST e ALT <sup>4</sup> - Alteração da cor da urina <sup>4</sup> - ↑ níveis séricos de GGT <sup>4</sup> - ↑ níveis séricos de creatinofosfoquinase <sup>6</sup>
Anticonvulsivante	Fenitoína	- Barbitúricos na urina (falso positivo) - Pode causar resultados de teste de supressão de dexametasona abaixo do normal	- Trombocitopenia <sup>6</sup> - Leucopenia <sup>6</sup> - Agranulocitose <sup>6</sup> - Pancitopenia <sup>6</sup> - Macrocitose <sup>6</sup> - ↑ transitório dos níveis séricos de AST e ALT <sup>6</sup> - ↓ níveis séricos de T4 <sup>6</sup> - ↑ níveis séricos de GGT <sup>6</sup> - ↓ níveis séricos vitamina D <sup>6</sup> - Hiperglicemia <sup>6</sup> - ↑ níveis séricos de fosfatase alcalina <sup>6</sup>
Anticonvulsivante	Fenobarbital	- Falso aumento nos níveis de pentobarbital	- Anemia megaloblástica <sup>6</sup> - Trombocitopenia (associada a síndrome de hipersensibilidade) <sup>6</sup> - ↓ níveis séricos de AST e ALT <sup>6</sup> - Eosinofilia (associada a síndrome de hipersensibilidade) <sup>6</sup> - ↓ níveis séricos de bilirrubina (principalmente em recém-nascidos) <sup>6</sup>
Antidepressivo	Fluoxetina	- N/A	- Albuminúria <sup>3</sup> - Hipercolesterolemia <sup>3</sup> - Hipotireoidismo <sup>3</sup> - ↑ níveis séricos de ALT e AST <sup>3</sup> - Distúrbios plaquetários <sup>6</sup> - Hiponatremia <sup>6</sup> - Hipoglicemia <sup>6</sup> - Hipocalemia <sup>6</sup> - Hiperprolactinemia <sup>6</sup> - Anemia aplástica <sup>6</sup> - Trombocitopenia <sup>6</sup>
Anticonvulsivante	Gabapentina	- Falso-positivos no teste Ames N-Multistix SG® (quando a gabapentina foi associada a outros fármacos anticonvulsivantes. Para se determinar a proteinúria, recomenda-se o procedimento mais específico de precipitação do ácido sulfossalicílico)	- Hiperglicemia <sup>2</sup> - Eosinofilia <sup>3</sup> - Hipoglicemia <sup>6</sup> - Hiponatremia <sup>6</sup> - ↑ níveis séricos de ALT e AST <sup>6</sup> - ↑ níveis séricos de creatinina <sup>6</sup>
Alzheimer	Galantamina	- N/A	- ↑ níveis séricos de ALT e AST <sup>6</sup>
Antipsicótico	Haloperidol	- N/A	- Hiperprolactinemia <sup>2</sup> - Hipoglicemia <sup>6</sup> - Leucopenia <sup>6</sup> - Neutropenia <sup>6</sup> - Agranulocitose <sup>6</sup> - Pancitopenia <sup>6</sup>
Anti-histamínico	Hidroxizina	- N/A	- N/A

Anticonvulsivante	Lamotrigina	- N/A	<ul style="list-style-type: none"> <li>- Agranulocitose<sup>6</sup></li> <li>- Eosinofilia<sup>6</sup></li> <li>- Neutropenia<sup>6</sup></li> <li>- Pancitopenia<sup>6</sup></li> <li>- Aplasia eritrocitária pura<sup>6</sup></li> <li>- Anemia aplástica<sup>6</sup></li> <li>- ↑ níveis séricos de ALT e AST<sup>6</sup></li> <li>- ↑ níveis séricos de fosfatase alcalina<sup>6</sup></li> <li>- Hiperbilirrubinemia<sup>6</sup></li> <li>- ↓ níveis de fibrina<sup>6</sup></li> <li>- ↑ TAP e TTPA<sup>6</sup></li> </ul>
Anticonvulsivante	Levetiracetam	- N/A	<ul style="list-style-type: none"> <li>- Eosinofilia<sup>2</sup></li> <li>- Trombocitopenia<sup>3</sup></li> <li>- Agranulocitose<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Neutropenia<sup>6</sup></li> <li>- Pancitopenia<sup>6</sup></li> <li>- Hiponatremia<sup>6</sup></li> </ul>
Antiparkinsoniano	Levodopa + Benserazida	<ul style="list-style-type: none"> <li>- Glicose na urina (falso negativo)</li> <li>- Cetona urinária (falso positivo)</li> <li>- Falso aumento nos níveis de catecolaminas e seus metabólitos na urina e no plasma</li> <li>- Teste de Coombs (falso positivo)</li> </ul>	<ul style="list-style-type: none"> <li>- ↑ níveis séricos de LDH<sup>6</sup></li> <li>- Hiperuricemia<sup>6</sup></li> <li>- Agranulocitose<sup>6</sup></li> <li>- Anemia hemolítica<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> <li>- ↑ níveis séricos de ALT e AST<sup>6</sup></li> <li>- ↑ níveis séricos de fosfatase alcalina<sup>6</sup></li> <li>- Hiperbilirrubinemia<sup>6</sup></li> <li>- ↑ níveis séricos de GGT<sup>6</sup></li> </ul>
Antipsicótico	Levomepromazina	- N/A	<ul style="list-style-type: none"> <li>- Hiperglicemia<sup>6</sup></li> <li>- Hiperprolactinemia<sup>6</sup></li> <li>- Hiponatremia<sup>6</sup></li> <li>- Agranulocitose<sup>6</sup></li> <li>- Eosinofilia<sup>6</sup></li> <li>- Granulocitopenia<sup>6</sup></li> <li>- Trombocitopenia imune<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Neutropenia<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> </ul>
TDHA	Metilfenidato	- N/A	<ul style="list-style-type: none"> <li>- Anemia<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- ↑ níveis séricos de ALT e AST<sup>6</sup></li> </ul>
Alzheimer	Memantina	- N/A	<ul style="list-style-type: none"> <li>- Agranulocitose<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Pancitopenia<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> <li>- Púrpura trombocitopênica trombótica<sup>6</sup></li> </ul>
Reduz os sintomas de abstinência associados à interrupção do tabagismo	Nicotina	- N/A	- N/A
Antidepressivo	Nortriptilina	- N/A	<ul style="list-style-type: none"> <li>- Hiponatremia<sup>6</sup></li> <li>- Hiperglicemia<sup>6</sup></li> <li>- Agranulocitose<sup>6</sup></li> <li>- Eosinofilia<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> </ul>
Anticonvulsivante	Oxcarbazepina	- N/A	- Hiponatremia <sup>2</sup>

			<ul style="list-style-type: none"> <li>- ↑ níveis séricos de ALT e AST<sup>3</sup></li> <li>- Leucopenia<sup>3</sup></li> <li>- Anemia aplástica<sup>6</sup></li> <li>- Agranulocitose<sup>6</sup></li> <li>- Pancitopenia<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> <li>- Neutropenia<sup>6</sup></li> <li>- ↑ Lipase<sup>6</sup></li> <li>- ↑ Amilase<sup>6</sup></li> </ul>
Analgésico/ Antipirético	Paracetamol	- Ácido 5-hidroxi-indolacético urinário (falso positivo)	<ul style="list-style-type: none"> <li>- Hipoalbuminemia<sup>2</sup></li> <li>- Hipocalemia<sup>2</sup></li> <li>- Hipomagnesemia<sup>2</sup></li> <li>- Hipofosfatemia<sup>2</sup></li> <li>- ↑ níveis séricos de ALT e AST<sup>3</sup></li> <li>- Hiperbilirrubinemia<sup>6</sup></li> <li>- ↑ níveis séricos de LDH<sup>6</sup></li> <li>- ↑ tempo de protrombina<sup>6</sup></li> <li>- Hipoglicemia<sup>6</sup></li> <li>- Falso aumento nos níveis séricos de ácido úrico<sup>6</sup></li> </ul>
Analgésico	Paracetamol + Codeína	- N/A	- ↑ níveis séricos de ALT e AST <sup>6</sup>
Antiparkinsoniano	Pramipexol	- N/A	- N/A
Antidepressivo	Paroxetina	- N/A	<ul style="list-style-type: none"> <li>- Hiponatremia<sup>6</sup></li> <li>- Hipercalemia<sup>6</sup></li> <li>- Hipercolesterolemia<sup>6</sup></li> <li>- Hiperglicemia<sup>6</sup></li> <li>- Hipercalemia<sup>6</sup></li> <li>- Hiperfosfatemia<sup>6</sup></li> <li>- Hipertireoidismo<sup>6</sup></li> <li>- Hipocalcemia<sup>6</sup></li> <li>- Hipoglicemia<sup>6</sup></li> <li>- Anemia (hipocrômica, microcítica, normocítica e deficiência de ferro)<sup>6</sup></li> <li>- Agranulocitose<sup>6</sup></li> <li>- Basofilia<sup>6</sup></li> <li>- Eosinofilia<sup>6</sup></li> <li>- Hiperaglobulinemia<sup>6</sup></li> <li>- Leucocitose<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Tempo de sangramento prolongado<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> <li>- Hiperbilirrubinemia<sup>6</sup></li> <li>- ↑ níveis séricos de ALT e AST<sup>6</sup></li> <li>- Hiperprolactinemia<sup>6</sup></li> </ul>
Miastenia gravis	Piridostigmina	- N/A	- N/A
Anticonvulsivante/ Ansiolítico	Pregabalina	- N/A	<ul style="list-style-type: none"> <li>- Hipoglicemia<sup>2</sup></li> <li>- ↑ níveis séricos de creatinofosfoquinase<sup>2</sup></li> <li>- Trombocitopenia<sup>2</sup></li> <li>- ↑ níveis séricos de ALT e AST<sup>2</sup></li> <li>- Anemia hipocrômica<sup>6</sup></li> <li>- Leucocitose<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Eosinofilia<sup>6</sup></li> </ul>
Antipsicótico	Quetiapina	- N/A	<ul style="list-style-type: none"> <li>- ↓ níveis séricos de HDL-c<sup>1</sup></li> <li>- Hipercolesterolemia<sup>1</sup></li> <li>- ↓ Hemoglobina<sup>1</sup></li> <li>- Hiperglicemia<sup>2</sup></li> <li>- ↓ T4 livre<sup>2</sup></li> </ul>

			<ul style="list-style-type: none"> <li>- Neutropenia<sup>2</sup></li> <li>- ↑ níveis séricos de ALT e AST<sup>2</sup></li> <li>- ↓ T3 livre<sup>3</sup></li> <li>- Eosinofilia<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> </ul>
Antiparkinsoniano	Rasagilina	- N/A	- N/A
Esclerose Lateral Amiotrófica	Riluzol	- N/A	<ul style="list-style-type: none"> <li>- ↑ níveis séricos de ALT e AST<sup>1</sup></li> <li>- Neutropenia<sup>6</sup></li> </ul>
Antipsicótico	Risperidona	- N/A	<ul style="list-style-type: none"> <li>- Hiperprolactinemia<sup>1</sup></li> <li>- Neutropenia<sup>2</sup></li> <li>- ↓ níveis séricos de HDL-c<sup>2</sup></li> <li>- Hipercolesterolemia<sup>2</sup></li> <li>- Hiperglicemia<sup>2</sup></li> <li>- Neutropenia<sup>2</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> <li>- Agranulocitose<sup>6</sup></li> </ul>
Alzheimer	Rivastigmina	- N/A	- N/A
Antidepressivo	Sertralina	- Benzodiazepínicos na urina (falso positivo)	<ul style="list-style-type: none"> <li>- Hipoglicemia<sup>2</sup></li> <li>- ↑ níveis séricos de ALT e AST<sup>2</sup></li> <li>- Hiponatremia<sup>6</sup></li> <li>- Hiperprolactinemia<sup>6</sup></li> <li>- Agranulocitose<sup>6</sup></li> <li>- Anemia aplástica<sup>6</sup></li> <li>- Aumento do tempo de coagulação<sup>6</sup></li> <li>- Leucopenia<sup>6</sup></li> <li>- Neutropenia<sup>6</sup></li> <li>- Pancitopenia<sup>6</sup></li> </ul>
Anticonvulsivante	Topiramato	- N/A	<ul style="list-style-type: none"> <li>- ↓ Bicarbonato sérico<sup>1</sup></li> <li>- Hiperamonemia<sup>1</sup></li> <li>- ↑ GGT<sup>2</sup></li> <li>- Hipofosfatemia<sup>6</sup></li> <li>- Hiperclorémia<sup>6</sup></li> <li>- ↑ níveis séricos de proteína total<sup>6</sup></li> <li>- ↑ níveis séricos de ácido úrico<sup>6</sup></li> </ul>
Antidepressivo	Venlafaxina	- N/A	<ul style="list-style-type: none"> <li>- Hipercolesterolemia<sup>2</sup></li> <li>- Hipercolesterolemia<sup>2</sup></li> <li>- Hiponatremia<sup>6</sup></li> <li>- Hiperprolactinemia<sup>6</sup></li> <li>- Agranulocitose<sup>6</sup></li> <li>- Anemia aplástica<sup>6</sup></li> <li>- Neutropenia<sup>6</sup></li> <li>- Pancitopenia<sup>6</sup></li> <li>- Tempo de sangramento prolongado<sup>6</sup></li> <li>- Trombocitopenia<sup>6</sup></li> <li>- ↑ níveis séricos de ALT e AST<sup>6</sup></li> </ul>
Anticonvulsivante	Vigabatrina	- ↑ Aminoácidos na urina, levando a um teste falso-positivo para determinadas doenças metabólicas genéticas raras (ex: alfa aminoadípico acidúria)	<ul style="list-style-type: none"> <li>- Anemia<sup>2</sup></li> <li>- ↓ Hemoglobina<sup>2</sup></li> <li>- ↓ níveis séricos de ALT e AST<sup>6</sup></li> </ul>
Antipsicótico	Ziprasidona	- N/A	<ul style="list-style-type: none"> <li>- Agranulocitose<sup>6</sup></li> <li>- Anemia<sup>6</sup></li> <li>- Eosinofilia<sup>6</sup></li> <li>- Leucocitose<sup>6</sup></li> </ul>

			<ul style="list-style-type: none"><li>- Leucopenia<sup>6</sup></li><li>- ↑ fosfatase alcalina sérica<sup>6</sup></li><li>- ↑ níveis séricos de ALT e AST<sup>4</sup></li><li>- Hiperprolactinemia<sup>6</sup></li><li>- Hipoglicemia<sup>6</sup></li><li>- Hipomagnesemia<sup>6</sup></li><li>Hipoproteinemia<sup>6</sup></li><li>- ↑ níveis séricos de nitrogênio ureico<sup>6</sup></li><li>- ↑ gama-GT<sup>6</sup></li><li>- ↑ níveis séricos de creatinina<sup>6</sup></li></ul>
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Frequência de Reações Adversas segundo classificação MedDRA (alterações laboratoriais *in vivo*): <sup>1</sup>: muito comum ( $\geq 10\%$ ); <sup>2</sup>: comum ou frequente ( $\geq 1\%$  e  $< 10\%$ ); <sup>3</sup>: incomum ou infrequente ( $\geq 0,1\%$  e  $< 1\%$ ); <sup>4</sup>: rara ( $\geq 0,01\%$  e  $< 0,1\%$ ); <sup>5</sup>: muito rara ( $< 0,01\%$ ); <sup>6</sup>: desconhecida (não pode ser estimada). ALT: alanina aminotransferase; AST: aspartato aminotransferase; GGT: gama glutamiltransferase; HCG: gonadotrofina coriônica humana; HDL-c: colesterol da lipoproteína de alta densidade; LDH: lactato desidrogenase; N/A: nada a declarar; TAP e TTPA: Tempo de Atividade da Protrombina e Tempo de Tromboplastina Parcial Ativada.