

**Medication Audit Criteria and Guidelines**  
**Drug Audit Checklist 23**

<b>Reviewer:</b>	<b>Date:</b>
<b>Class:</b>	
<b>Drug:</b> risperidone (Risperdal®, Risperdal Consta®), olanzapine (Zyprexa®, Zyprexa ®Relprevv™), paliperidone (Invega®, Invega sustenna®), quetiapine (Seroquel®) ziprasidone (Geodon®), aripiprazole (Abilify®, Abilify® Maintena™), asenapine (Saphris®), iloperidone (Fanapt®), lurasidone (Latuda®)	

Audit#	Comments	Requires Phys. Review	
Patient#		Yes	No
Ordering Physician			

<b>INDICATIONS</b>	1) Disorders with psychotic symptoms (schizophrenia, schizoaffective disorder, manic disorders, depression with psychotic features, drug-induced psychosis, psychosis associated with other medical conditions)			
	2) Schizophrenia adolescents – risperidone (13 to 17 years old), olanzapine (13 to 17 years old), paliperidone (12 to 17 years old), quetiapine (13 to 17 years old), aripiprazole (13 to 17 years old)			
	3) Severe aggression secondary to a psychiatric disorder			
	4) Self Injurious Behavior secondary to a psychiatric disorder			
	5) Bipolar disorder (not paliperidone, iloperidone, or lurasidone)			
	6) Bipolar disorder, adolescents – risperidone (10 to 17 years old, monotherapy), quetiapine (10 to 17 years old, adjunct & monotherapy), olanzapine (13 to 17 years old, acute & maintenance), aripiprazole (10 to 17 years old, adjunct & monotherapy)			
	7) Irritability associated with autistic disorders in children and adolescent – risperidone (5 to 16 years old) and aripiprazole (6 to 17 years old)			
	8) Adjunct for patients on antidepressants for major depressive disorder (aripiprazole, quetiapine)			

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<b>Contraindications</b>	<i>Absolute</i>	1) History of anaphylactic reaction and similarly severe significant hypersensitivity to medication prescribed			
		2) For ziprasidone - Recent myocardial infarction, uncompensated congestive heart failure or when other drugs are being used that also prolong the QT interval such as (not complete list) quinidine, dofetilide, pimozide, sotalol, thioridazine, moxifloxacin, and sparfloxacin			
		3) For lurasidone – use of ketoconazole (3A4 inhibitor) or rifampin (3A4 inducer)			
	<i>Relative</i>	1) Pregnancy/nursing mothers			
		2) History of drug induced agranulocytosis or leukopenia			
		3) Breast cancer			
		4) History of neuroleptic malignant syndrome			
		5) Impaired hepatic function			
		6) Parkinson’s disease			
		7) Severe cardiovascular diseases			
		8) Known clinically significant QTc prolongation			

**Drug audit Checklist 23 (Continued)**

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<b>PATIENT MONITORING</b>	<b>Patient Monitoring Parameters</b>	1) Pregnancy test – as clinically indicated			
		2) BMI and waist circumference measurements– when a new antipsychotic is initiated, at every visit (monthly for inpatients) for 6 months after the new antipsychotic is initiated, and quarterly when the antipsychotic dose is stable			
		3) Fasting plasma glucose level or hemoglobin A <sub>1c</sub> – before initiating a new antipsychotic, then yearly.  If a patient has significant risk factors for diabetes and for those that are gaining weight – before initiating a new antipsychotic, 4 months after starting an antipsychotic, and then yearly.			
		4) Lipid screening [total cholesterol, low- and high-density lipoprotein (LDL and HDL) cholesterol, and triglycerides] – Every 2 years or more often if lipid levels are in the normal range, every 6 months if the LDL level is > 130 mg/dl  If no lipid screening has been done within the last 2 years, then a lipid profile should be obtained within 30 days of initiation of the drug.			
		5) EKG (for patients on ziprasidone)– For patients with known heart disease, a personal history of syncope, a family history of sudden death at an early age (under age 40 years, especially if both parents had sudden death), or congenital long QT syndrome, then a baseline EKG before treatment is initiated. A subsequent EKG is indicated if the patient presents with symptoms associated with a prolonged QT interval (e.g., syncope).			
		6) EKG (for patients on iloperidone) – at baseline			

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<b>PATIENT MONITORING (continued)</b>	<b>Patient Monitoring Parameters (continued)</b>	7) Serum potassium and magnesium level baseline and periodic for patients on iloperidone who are at risk for significant electrolyte disturbances			
		8) Sexual function inquiry – inquire for evidence of galactorrhea/gynecomastia, menstrual disturbance, libido disturbance or erectile/ejaculatory disturbance yearly  If a patient is receiving an antipsychotic known to be associated with prolactin elevation, then at each visit (quarterly for inpatients) for the first 12 months after starting an antipsychotic or until the medication dose is stable and then yearly.			
		9) Prolactin level – if there is evidence of galactorrhea/gynecomastia, menstrual disturbance, libido disturbance or erectile/ejaculatory yearly.			
		10) EPS Evaluation (examination for rigidity, tremor, akathisia) – before initiation of any antipsychotic medication, then weekly for the first 2 weeks after initiating treatment with a new antipsychotic or until the dose has been stabilized and weekly for 2 weeks after a dose increase			
		11) Tardive dyskinesia evaluation – every 3 months and as clinically indicated.			
		12) Vision questionnaire – ask whether the patient has experienced a change in vision and should specifically ask about distance vision and blurry vision – yearly			
		13) Ocular evaluations – yearly for patients older than age 40 years; every 2 years for younger patients			
		14) After each olanzapine pamoate injection continuously observe patient for at least 3 hours for symptoms consistent with olanzapine overdose, including sedation (ranging from mild in severity to coma) and/or delirium (including confusion, disorientation, agitation, anxiety, and other cognitive impairment) (Post-Injection Delirium /Sedation Syndrome)			
		<b>Dosing</b>	See DSHS/DADS Drug Formulary for dosage guidelines.  Exceptions to maximum dosage must be justified as per medication rule.		

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Ordering Physician		Yes	No

Date Referred	Date Reviewed	Comments	Physician's Signature

Additional Comments:
