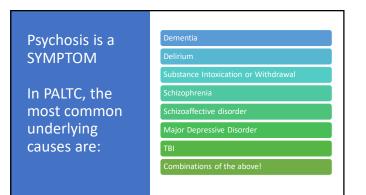
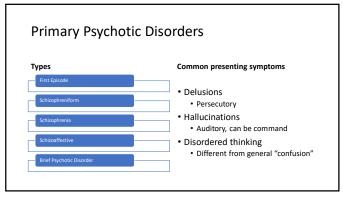


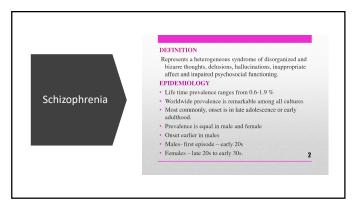
What is Psychosis?

loss of contact with reality, including hallucinations, delusions and disorganized thinking











CONTEXT, CONTEXT, CONTEXT

Major Mental Illness (MMI) often requires long-term psychotropics!

MDD, schizophrenia, schizoaffective disorder, bipolar disorder

You are not required to do a GDR if resident is stable on the lowest effective dose and without new/concerning side effects – DOCUMENT.

Schizophrenia (and most MMI) does not develop in late life.

8

Example risk v. benefit statement for Schizophrenia "Mr. Garcia has a Level II classification for schizophrenia, which is a lifelong condition for which he resides in a NH. Zyprexa 20 mg daily is the dose that helped reduce his command hallucinations and as such is the least effective maintenance dose. A reduction would be unsafe. He is not sedated, nor experiencing side effects that would outweigh benefits."

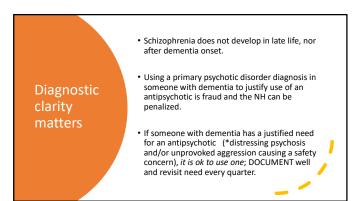


Primary psychotic disorders and dementia

People with primary psychotic disorders can get dementia.

People with dementia DO NOT develop primary psychotic disorders.

For those with both, they may need less psychotropic medication over time as their brain becomes more vulnerable *but not always.



Example risk v. benefit - primary dementia on antipsychotic

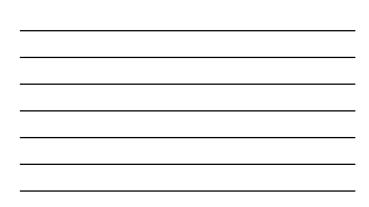
"Mr. Kaplan was placed on risperidone 1mg qhs 3 months ago after an escalating pattern of paranoia that resulted in him assaulting a peer he believed to be an intruder. Since that time he has expressed little to no paranoid thoughts, has improved food intake and is more easily engaged in activities. His family is relieved and in agreement with continuing the medication. He is tolerating the medication without issue. We plan to revisit his behaviors and consider a GDR at the 6-month mark, but currently feel the benefits outweigh the risks."

13

Rule out	If NEW SX even in KNOWN dementia
Substances or Medical	If NEW SX even in KNOWN primary psychotic disorder
Causes	NEW psychotic symptoms often = DELIRIUM

14

Substances and n psychosis	Substances and medications with capacity to induce psychosis		
Substance or medication	Examples		
Alcohol and sedatives/hypnotics	Alcohol (intexcation or withdrawal), barbiturates, and benzodiazepines (particularly withdrawal)		
Anabolic steroids	Testosterone, methyltestosterone		
Analgesics	Meperidine, pentazocine, indomethacin		
Anticholinergics	Atropine, scopolarnine		
Antidepressants	Bupropion, others if triggering a manic switch		
Antiseizure medications	Zonisamide, other antisecture medications at high doses		
Antimalarial	Mefloquine, chloroquine		
Antiparkinsonian	Levodopa, selegiline, amantadine, pramigexole, bromooriptine		
Antiversits	Abacavir, efavirenz, nevirapine, acyclovir		
Cannabinoids	Marguana, synthetic cannabinoids (ie, "spice"), dronabinol		
Cardiovascular	Digoxin, disopyramide, propafenone, quinidine		
Corticosteroids	Prednisone, dexamethasone, etc		
Hallucinogens	LSD (lysergic acid diethytamide), PCP (phercyclidine), ketamine, psilocybin-containing mushrooms, mescaline, symbiotic "designer drugs" (eg, z-cb, "N-Bomb" (251- NBOM6), salvia divinorum		
Inhalants	Toluene, butane, gasoline		
Interferons	Interferon alfa-2a/2b		
Over-the-counter	Dextromethorphan, diphenhydramine, some decongestants		
Stimulants	Gocaine, amphetamine/methamphetamine, methylphenidate, certain diet pils, "bash sats" (MDPV (methylenedloxypyrovalerone), methylenedloxymethamphetamine)/ecctasy methylenedloxymethamphetamine)/ecctasy		
Toxins	Carbon monoxide, organophosphates, heavy metals (eg. arsenic, manganese, mercury, thalium)		

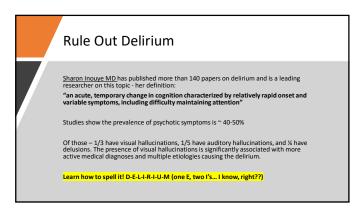


Types of Hallucinations give Clues

Auditory classic for Primary Psychotic Disorders

Always ask about command AH to harm self or others – safety assessment
Visual common for Parkinsonian disorders and
medical/substances delirium

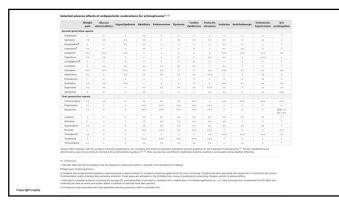
Tactile common for DT's and for delusional parasitosis

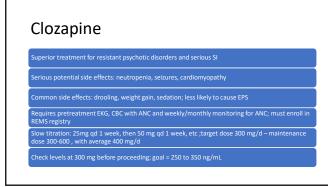


17









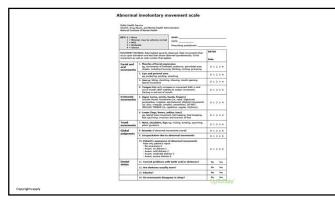
Extra Pyramidal Side Effects (worse for FGA's)

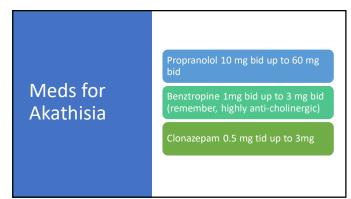
<u>Akathisia</u> is suggested by a sensation of restlessness, frequent pacing, a compelling urge to move, or an inability to sit still.

Parkinsonism is suggested by finding of masked facies, bradykinesia, tremor, or rigidity.

<u>Dystonia</u> is a tonic contraction of a muscle or muscle group that is typically disturbing to the patient and obvious to the examiner.

22





Psychosis and Parkinsonism

- Discern whether PD, LBD or primary medication side effect and assess that symptoms cause subjective distress or safety concern
- In PD, must weigh balance of movement v. psychosis Best intervention is to reduce +DA meds if possible
- Sinemet, amantadine, pramipexole, ropinirole
- FDA approved for PD Psychosis: <u>Pimavanserin</u> (Nuplazid) but data are concerning for study design, increased mortality, limited efficacy and approval process*
- <u>Clozapine</u> least likely to cause EPS, but rarely worth risk
- <u>Seroquel</u> best bet for minimizing EPS; dose 12.5 bid/tid and increase as tolerated; sedation/falls main risk (half life ~5h so not good just at night)

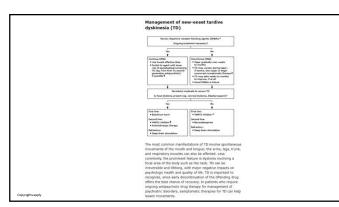
*Schubmehl S, Sussman J. Perspective on Pimavanserin and the SAPS-PD: Novel Scale Development as a Means to FDA Approval. Am J Geriatr Psychiatry. 2018 Oct;26(10):1007-1011. doi: 10.1016/j.jagp.2018.06.001. Epub 2018 Jun 14. PMID: 20072306.

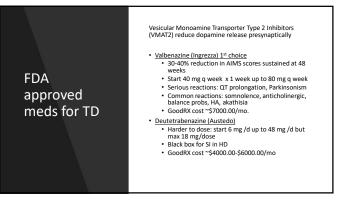
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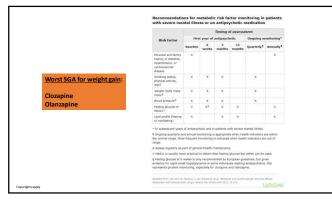
Tardive Dyskinesia

• TD develops from chronic antipsychotic use, worse from 1st generation exposure, characterized by the following features:

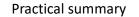
- Sucking, smacking of lips
- · Choreoathetoid movements of the tongue
- Facial grimacing
- · Lateral jaw movements
- Choreiform or athetoid movements of the extremities and/or truncal areas







29



Psychosis is a symptom, not a disorder.

Primary psychotic disorders require maintenance treatment, and monitoring.

For delirium and dementia, risks typically outweigh benefits (and evidence) for antipsychotic use, unless very *short-term* for safety or subjective distress. Antipsychotic use must be well documented in a "risk v. benefit" statement by regulation.

Misusing diagnoses to justify antipsychotic use is fraud.