

## Recap: Key Points

Saturday, October 27, 2018 5:46 PM

Patho: cause ultimately unknown  
 ↓ brain size, atrophy, asymmetry  $\uparrow$  DOPA  
 (can see similar SX w/ Corticosteroids, pot. stimulants, DA-agents)  
 (also in HIV/AIDS, syphilis, CTX/IA, inborn, Huntington's)

### S/SX

- ④ Hallucinations, Delusions, Disorganized speech  
 thoughts, ideas of influence
- ④ Flat affect, Alogia, Anhedonia, Anosmia
- ④ (Cof): Working memory, impaired executive function

### Treatment Considerations

#### 1 Med Groups:

- ① Typical: low D<sub>2</sub> Antag  
 low 5HT<sub>2A</sub> Antag
- ② Atypical: mod-high D<sub>2</sub> Antag  
 high 5HT<sub>2A</sub> Antag
- ③ Atypical: Clozapine-like  
 low D<sub>2</sub> Antag  
 high 5HT<sub>2A</sub> Antag
- ④ D: Adrenergic, histaminergic, cholinergic

### 2<sup>nd</sup> Gen. Atypical

Aripiprazole  $\downarrow$  D<sub>2</sub>  
 Risperidone  $\downarrow$  D<sub>2</sub>  
 Brexpiprazole  $\downarrow$  D<sub>2</sub>  
 Cariprazine  $\downarrow$  D<sub>2</sub>  
 Clozapine  $\downarrow$  D<sub>2</sub>, 5HT<sub>2A</sub>  
 Haloperidol  $\downarrow$  D<sub>2</sub>  
 Lurasidone  $\downarrow$  D<sub>2</sub>  
 Olanzapine  $\downarrow$  D<sub>2</sub>, 5HT<sub>2A</sub>  
 Quetiapine  $\downarrow$  D<sub>2</sub>, 5HT<sub>2A</sub>  
 Risperidone  $\downarrow$  D<sub>2</sub>  
 Ziprasidone  $\downarrow$  D<sub>2</sub>  
 Sertindole  $\downarrow$  D<sub>2</sub>  
 Trimipramine  $\downarrow$  D<sub>2</sub>, 5HT<sub>2A</sub>

**(BPN)** Dementia-related Psychosis

### Details

- ① Aripiprazole  $\rightarrow$  D<sub>2</sub>  
 Metabolic Syndrome:  
 ↓ weight, insomnia, impatience  
 ↓ hyperglycemia  
 ↓ triglycerides  
 ↓ cholesterol  
 ↓ blood pressure  
 ↓ metabolic rate  
 • OT  
 • no ODT  
 • no SAI  
 • no Tardive Dyskinesia  
 • no 21 day PO overlap  
 • no 14 day IM overlap
- ② Asenapine  $\rightarrow$  D<sub>2</sub> + 5HT<sub>2A</sub>  
 • less weight gain, anticholin sedation  
 • GI in seizure, hepatic disease  
 • OT  
 • do not eat/drink for 10 min!
- ③ Brexpiprazole  $\rightarrow$  5HT<sub>2A</sub>, some D<sub>2</sub>  
 • weight gain  
 • less metabolic Δs
- ④ Cariprazine  $\rightarrow$  5HT<sub>2A</sub>, some D<sub>2</sub>  
 • akathisia ( $\uparrow$  D<sub>2</sub>)  
 • 20 mg caps

### 1<sup>st</sup> Gen - Typical

	1 <sup>st</sup> Gen	2 <sup>nd</sup> Gen	3 <sup>rd</sup> Gen	4 <sup>th</sup> Gen
Class A/E:	↓ DOPA	↓ DOPA	↓ DOPA	↓ DOPA
Side Effects:	EPS, tardive dyskinesia, akathisia, sedation, constipation, weight gain	EPS, tardive dyskinesia, akathisia, sedation, constipation, weight gain	EPS, tardive dyskinesia, akathisia, sedation, constipation, weight gain	EPS, tardive dyskinesia, akathisia, sedation, constipation, weight gain
Management:	Acute: antichol, or IM benztropine	Pseudo park: antichol	Tardive Dyskinesia: $\downarrow$ dose or $\downarrow$ BB	Antichol $\rightarrow$ bowel prep for constipation
• EPS $\rightarrow$ prevent, AIMS				
• Pseudo park $\rightarrow$ antichol				
• Tardive Dyskinesia $\rightarrow$ antichol				
• Akathisia $\rightarrow$ $\downarrow$ dose or $\downarrow$ BB				
• Antichol $\rightarrow$ bowel prep for constipation				
• NMS $\rightarrow$ d/c drug				

- Acute:  $\downarrow$  antichol, or IM benztropine
- Pseudo park: antichol
- Tardive Dyskinesia:  $\downarrow$  dose or  $\downarrow$  BB
- Akathisia:  $\downarrow$  dose or  $\downarrow$  BB
- Antichol  $\rightarrow$  bowel prep for constipation
- NMS  $\rightarrow$  d/c drug

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• Antichol  $\rightarrow$  bowel prep for constipation

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### ⑩ Pimavanserin $\rightarrow$ 5HT<sub>2A</sub>

• not approved for Schiz, but is approved for Parkinson's psychosis

• CI: renal failure

• OT

• no Tab

### ⑪ Ondansetron $\rightarrow$ D<sub>2</sub> + 5HT<sub>2A</sub>

• sedation, metabolic issues

• often inappropriately used as a sleep aid

• NMS

### ⑫ Risperidone $\rightarrow$ D<sub>2</sub> + 5HT<sub>2A</sub>

• AQUEOUS IM form

• big + PL  $\rightarrow$  green markings,  $\Delta$  muscle

• EPS

• Akathisia

• TO, ODT, SAI, IM-LA, SG-DA

• (FDA, Pariser's)  $\downarrow$  creatine

• hard to reconstitute

### ⑬ Ziprasidone $\rightarrow$ D<sub>2</sub> + 5HT<sub>2A</sub>

• swollen lymph nodes, organ inflam

• Tardive  $\uparrow$  abs.

• DRESS  $\uparrow$  eosinophils

• hard to reconstitute