

NICE Guidance for Psychosis in Young People

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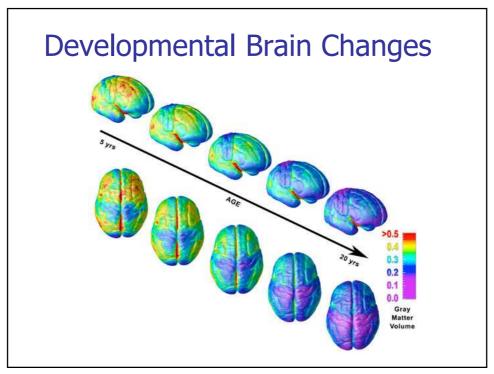


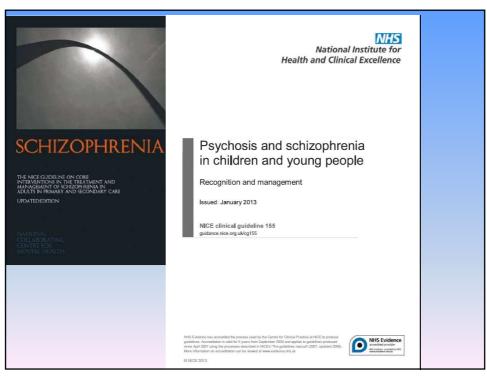
Outline

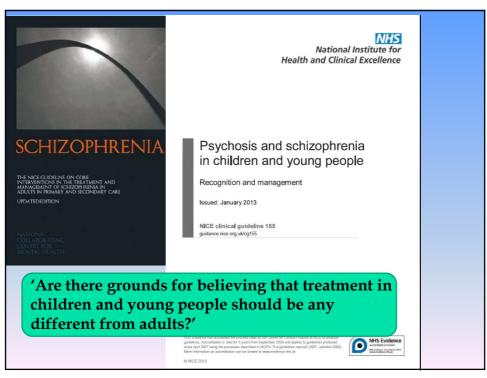
- Background
 - Developmental perspective
 - NICE CG 155
- Psychosis in Children and Young People
 - Psychological interventions
 - Antipsychotics
- Clinical Equipoise
- CG 155 Research Recommendations
- Summary & Questions













NICE Guideline (CG155): Recommendations

- For transient or attenuated psychotic symptoms:
 - do not offer antipsychotic medication
 - consider CBT with/or without family intervention
 - Treat presenting problems: anxiety, depression, substance misuse
- For psychosis:
 - Offer antipsychotic in conjunction with psychological interventions (family intervention and individual CBT)
 - When prescribing antipsychotics:
 - use knowledge of side-effects to inform a collaborative drug choice
 - follow baseline investigation and monitoring schedule





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What's the evidence-base?

- These recommendations were predominantly drawn from RCTs conducted in older adult populations.
- The much larger dataset in adults includes high quality evidence supporting the use of oral antipsychotics to improve symptoms and improve relapse rates; family intervention to reduce relapse rates; and CBT to decrease rehospitalisation and duration of rehospitalisation as well as symptoms.
- The evidence presented in CG155 for children and young people was generally of low quality and effects were equivocal
- The adult evidence was deemed strong enough to maintain the use of a combination of oral antipsychotics, family intervention and CBT as the central treatments in most settings for the first episode and subsequent acute episodes.

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CG 155: Psychological interventions

- There were no RCTs of CBT in children and young people aged
 ≤18 years with psychosis or schizophrenia.
- Six RCTs (N = 460) conducted in children and young people ≤25 years were reviewed. In this age group, CBT was no more effective than control interventions (i.e. TAU typically including mediation) at improving psychotic symptoms, depression, quality of life, social functioning or suicide.
- However, evidence from the significantly larger adult dataset suggested that CBT is effective at reducing rehospitalisation rates.



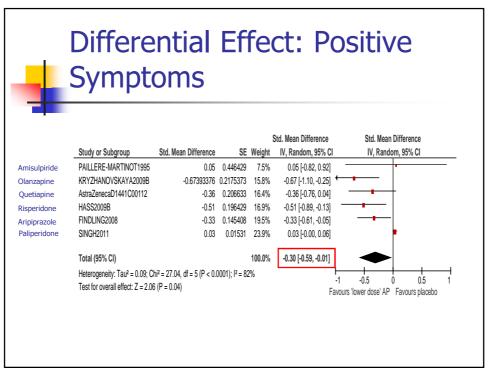


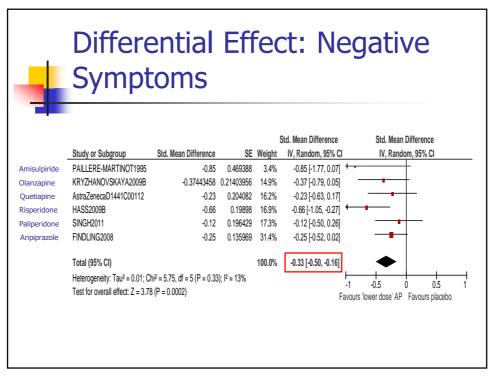
CG 155: Antipsychotics

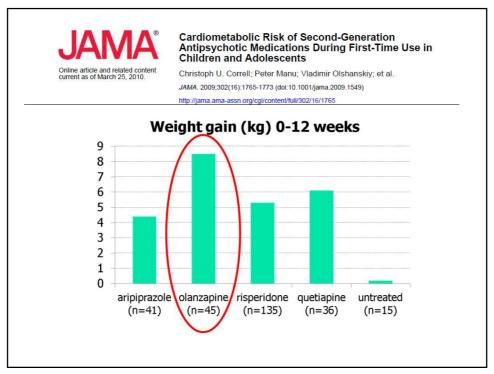
- Seven RCTs (N = 1067) providing clinical evidence young people aged ≤18 years for antipsychotic medication compared with placebo in the treatment of the acute episode
- Quality of evidence low or very low due to very small sample sizes, a high risk of publication bias and low internal validity of included trials

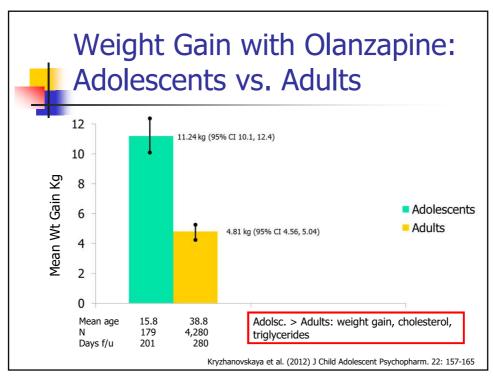


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Reducing the future burden of ill-health from diabetes and cardiovascular disease WARS Reducing the future burden of ill-health from diabetes and cardiovascular disease

Original Investigation Antipsychotics and the Risk of Type 2 Diabetes Mellitus in Children and Youth William V. Bobo, MD, MPH; William O. Cooper, MD, MPH; C. Michael Stein, MB, ChB; Mark Offson, MD, MPH; David Graham, MD, MPH; James Daugherty, MS; D. Catherine Fuchs, MD; Wayne A. Ray, PhD JAMA Psychiatry. 2013;70 (10):1067-1075. doi:10.1001/jamapsychiatry.2013.2053 Published online August 21, 2013. US Medicaid cohort age 6-24 > 28,000 initiated with APs > >14,000 matched-controls Type 2 diabetes HR 3.03 Age 6-16; HR 3.13 Risk associated with atypicals and cumulative dose MAPS **Control medication** **Type 2 diabetes HR 3.03 **Age 6-16; HR 3.13 **Risk associated with atypicals and cumulative dose **MAPS** **MAP

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Supplementary information on baseline investigations and monitoring Table 1 Baseline investigations and monitoring for children and young people who are prescribed antipsychotic medication (read in conjunction with the BNF, BNFC and SPC) Baseline investigations before starting antipsychotic medication Monitor regularly throughout treatment, and especially during titration monitor weekly for the first 6 weeks Weight¹ (plotted on a growth chart) Yes Yes Yes Yes Height¹ (plotted on a growth chart) Waist and hip circumference (plotted on a percentile chart) Yes Yes Pulse Yes Yes Yes Blood pressure (plotted on a percentile chart) Fasting blood glucose Yes Yes Yes Yes Yes HbA_{1c} (glycosylated haemoglobin) Blood lipid profile Prolactin level Yes Movement disorders (extrapyramidal symptoms, akathisia, dystonia and tardive dyskinesia) NICE (2013) CG 155



NICE CG 155 (Update 2016)

- 1.3.15 When choosing between olanzapine and other 'second generation' antipsychotic medications, discuss with the young person and their parents or carers the increased likelihood of greater weight gain with olanzapine.
- Inform them that this effect is likely to happen soon after starting treatment. [new 2016]



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Antipsychotics - Summary

- Small, significant differences were found favouring 'lower dose' antipsychotics over placebo for total symptoms (SMD = -0.32), negative symptoms (SMD = -0.33) and for positive symptoms (SMD = -0.30).
- no evidence for differences in efficacy between antipsychotics
- Antipsychotics differ in adverse effect profiles
- Weight gain and metabolic effects greatest with olanzapine





CG 155 GDG Conclusions:

- Pharmacological interventions
 - Efficacy similar in children and young people to adults, but evidence is of lower quality, and side effects may be worse in children and young people
- Psychological interventions
 - No direct evidence of efficacy psychological interventions in children and young people, but indirect evidence of benefit in adults
 - some limited indirect evidence from young adults that psychological interventions may be effective in the absence of antipsychotic medication.



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CG 155 GDG Conclusions:

- Psychological interventions alone?
 - the GDG took the view that if the child or young person and their parents or carers wished to try a psychological intervention without antipsychotic medication in the first instance, this could be trialled over the course of a month.
 - The GDG emphasised that there is little evidence that psychological interventions are effective without medication
 - GDG emphasised the particular importance of family involvement and interventions in this young age group, owing to their greater dependency and continuing development.



CG155:



Research Recommendation

- What is the clinical and cost effectiveness of:
 - psychological treatment alone

VS.

antipsychotic medication alone

VS.

psychological treatment and antipsychotic medication combined

for young people with first episode psychosis?

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