FIVE THINGS TO KNOW ABOUT ...

Weight gain induced by psychotropic agents

Robert Dent MDCM, Alan Gervais BSP

Weight gain is a common adverse effect of psychotropic agents

Although particular attention has been paid to the effects of atypical antipsychotic medications on weight gain, most antipsychotic agents, mood stabilizers and antidepressants have been associated with weight gain.1

Weight gain and metabolic changes related to second-generation antipsychotics may be overlooked

Weight gain and related comorbidities, such as glucose dysregulation and increases in triglycerides, total cholesterol and blood pressure, are not well monitored in patients taking antipsychotic medications.1 Secondgeneration antipsychotic agents can cause metabolic changes, even in the absence of weight gain. Monitoring for changes in cardiometabolic risk factors should be considered after the first 3 months of treatment and then every 6 months.3

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Estimates of weight gain reported in clinical trials are challenging to interpret

Clinical trials may underestimate relevant weight gain for several reasons. These include a short trial duration, the use of the "last observation carried forward" to handle data from study dropouts, a failure to account for differences in drug dosage, and differences between study groups in factors such as initial body mass index and use of other drugs that may cause weight gain. Marketing pressures have been cited in connection with the design and reporting of drug studies.²

Weight gain induced by psychotropic medications is an important reason for nonadherence

Weight gain can have adverse psychological effects, which may offset the hoped-for benefit of drug therapy.4 Users of psychotropic drugs should be informed about the possibility of weight gain and other adverse effects.5 An expert consensus panel concluded that weight gain was an important adverse effect likely to lead to nonadherence to prescribed medications, which would place patients at a greatly increased risk of illness exacerbation and readmission to hospital.4

agent less likely to cause weight gain Psychiatric drug treatment is an

One way to prevent weight gain

is to first prescribe a psychotropic

iterative process. Appendix 1 (available at www.cmaj.ca/lookup/suppl /doi:10.1503/cmaj.121044/-/DC1) divides psychotropic agents according to their association with weight gain.1,6

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Affiliation: From the Weight Management Clinic, Ottawa Hospital, University of Ottawa, Ottawa, Ont.

Correspondence to: Robert Dent, bdent @ottawahospital.on.ca

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