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Article Title: The risk of hip fracture due to mirtazapine exposure when switching antidepressants or using other antidepressants as add-on therapy

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Appendix 1: Anatomical therapeutic chemical (ATC) codes used to define medicine groups

Medicine Groups	Anatomical Therapeutic Chemical (ATC) Code(s)
Opioids	N02A
Antiepileptics	N03A except N02AE01 (clonazepam)
Anti-Parkinson medicines	N04
Antipsychotics	N05A except N05AN01 (lithium) and N05AB04 (prochlorperazine)
Benzodiazepines	N03AE, N05BA and N05CD
Benzodiazepine-related medicines	N05CF
TCAs	N06AA
SSRIs	N06AB
Mirtazapine	N06AX11
SNRIs	N06AX16, N06AX21 and N06AX23
Anticholinesterases	N06DA

TCA – tricyclic antidepressant, SSRI – selective serotonin reuptake inhibitor, SNRI – serotonin and noradrenaline reuptake inhibitor

Appendix 2: Individual products involved in the new SSRI-continuous mirtazapine combination

Hip Fracture	New SSRI	Latest Mirtazapine*	Prior Mirtazapine#	N
Yes	Escitalopram 10mg	Mirtazapine 45 mg	Mirtazapine 30 mg	1
Yes	Escitalopram 10mg	Mirtazapine 30 mg	Mirtazapine 30 mg	3
Yes	Fluvoxamine 50mg	Mirtazapine 30 mg	Mirtazapine 30 mg	1
Yes	Sertraline 50 mg	Mirtazapine 30 mg	Mirtazapine 15 mg	1
Yes	Citalopram 10mg	Mirtazapine 30 mg	Mirtazapine 15 mg	1
No	Sertraline 50mg	Mirtazapine 30 mg	Mirtazapine 30 mg	1
No	Sertraline 50mg	Mirtazapine 30 mg	Mirtazapine 30 mg	1

SSRI – selective serotonin reuptake inhibitor

* Immediately before hip fracture

Immediately before the latest mirtazapine prescription and the new SSRI prescription

Appendix 3: Individual products involved in the new TCA-continuous mirtazapine combination

Hip Fracture	New TCA	Latest Mirtazapine*	Prior Mirtazapine#	N
Yes	Nortriptyline 25 mg	Mirtazapine 45 mg	Mirtazapine 30 mg	1
Yes	Amitriptyline 10 mg	Mirtazapine 30 mg	Mirtazapine 15 mg	3
No	Amitriptyline 25 mg	Mirtazapine 30 mg	Mirtazapine 30 mg	1

TCA – tricyclic antidepressant

* Immediately before hip fracture

Immediately before the latest mirtazapine prescription and the new SSRI prescription