

ADVERSE DRUG REACTION MANAGEMENT:**Adverse drug reaction-****Definition:**

An ADR is a response to a medicine which is noxious and unintended and which occurs at doses normally used.

Type of reaction	Features	Examples	Management
Dose related (augmented)	Common Related to a pharmacological action of the drug Predictable Low mortality	Toxic effects: Digoxin toxicity; serotonin syndrome with SSRI's Side effects: Anticholinergic effects of tricyclics, Antidepressants	Reduce dose or withhold. Consider effects of concomitant therapy
Non dose related (Bizarre)	Uncommon Not related to pharmacological action of the drug Unpredictable High mortality	Hypothalamic pituitary adrenal axis suppression by corticosteroids	Withhold and avoid in future
Dose related and time related (chronic)	Uncommon Related to the cumulative dose	Hypothalamic pituitary adrenal axis suppression by corticosteroids	Reduce dose or withhold; withdrawal may have to be prolonged
Time-related (delayed)	Uncommon Usually dose related Occurs or becomes apparent some time after the use of the drug	Teratogenesis Carcinogenesis Tardive dyskinesia	Often intractable
Withdrawal (end of use)	Uncommon Occurs soon after withdrawal of the drug	Opiate withdrawal syndrome Myocardial ischemia	Reintroduce and withdraw slowly
Unexpected failure of therapy (failure)	Common Dose related Often caused by drug interactions	Inadequate dosage of an oral contraceptive, particularly when used with specific enzyme inducers	Increase dosage Consider effects of concomitant therapy.