

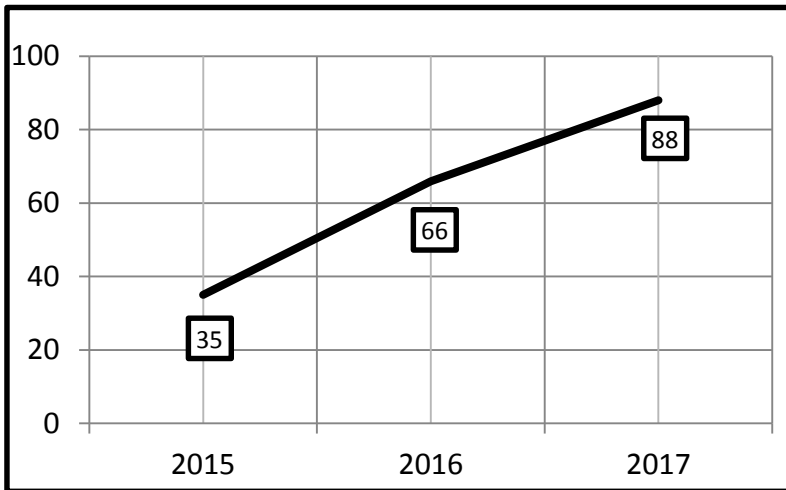
HBUK ADVERSE DRUG REACTION NEWSLETTER 2017

Statistic of ADR cases in Hospital Bahagia Ulu Kinta

Scope:

This publication helps to spread medical alert to healthcare profession regarding the arising issue of Adverse Drug Reaction in HBUK through the review of ADR reports submitted. Information on the current suspected and frequent adverse reactions of the medications will be disseminated through this. It is also to encourage health professional for ADR reporting to enhance the safety profile of the medication and for further evaluation.

Figure 1: Trend of ADR report from 2015-2017



Tabel 1: Drugs with most ADR Report from 2015-2017

YEAR	DRUG	NO. OF CASE
2015	T. Olanzapine	5
	T. Aripiprazole	4
	T. Risperidone	4
	IM. Fluphenazine	3
	T. Clozapine	2
2016	T. Risperidone	12
	T. Olanzapine	9
	T. Clozapine	5
	T. Aripiprazole	5
	T. Amisulpiride	4
2017	T. Risperidone	12
	T. Clozapine	7
	T. Olanzapine	6
	T. Quetiapine	6
	T. Fluvoxamine	5
	T. Aripiprazole	5

Total number of ADR report increased drastically from 2015 (35) to 2016 (66) about 88.6% and an increase of 33.3% from the year 2016 to 2017 (88). The distribution of case reports are based on admission for hospitals.

For the year 2016 and 2017, T. Risperidone had the most ADR reports, followed by T. Olanzapine (9) for 2016 and T. Clozapine (7) for 2017. The drug reported with highest ADR cases for 2015 was T. Olanzapine (5). The most common drugs with ADR reports are T. Risperidone, T. Olanzapine, T. Clozapine and T. Aripiprazole

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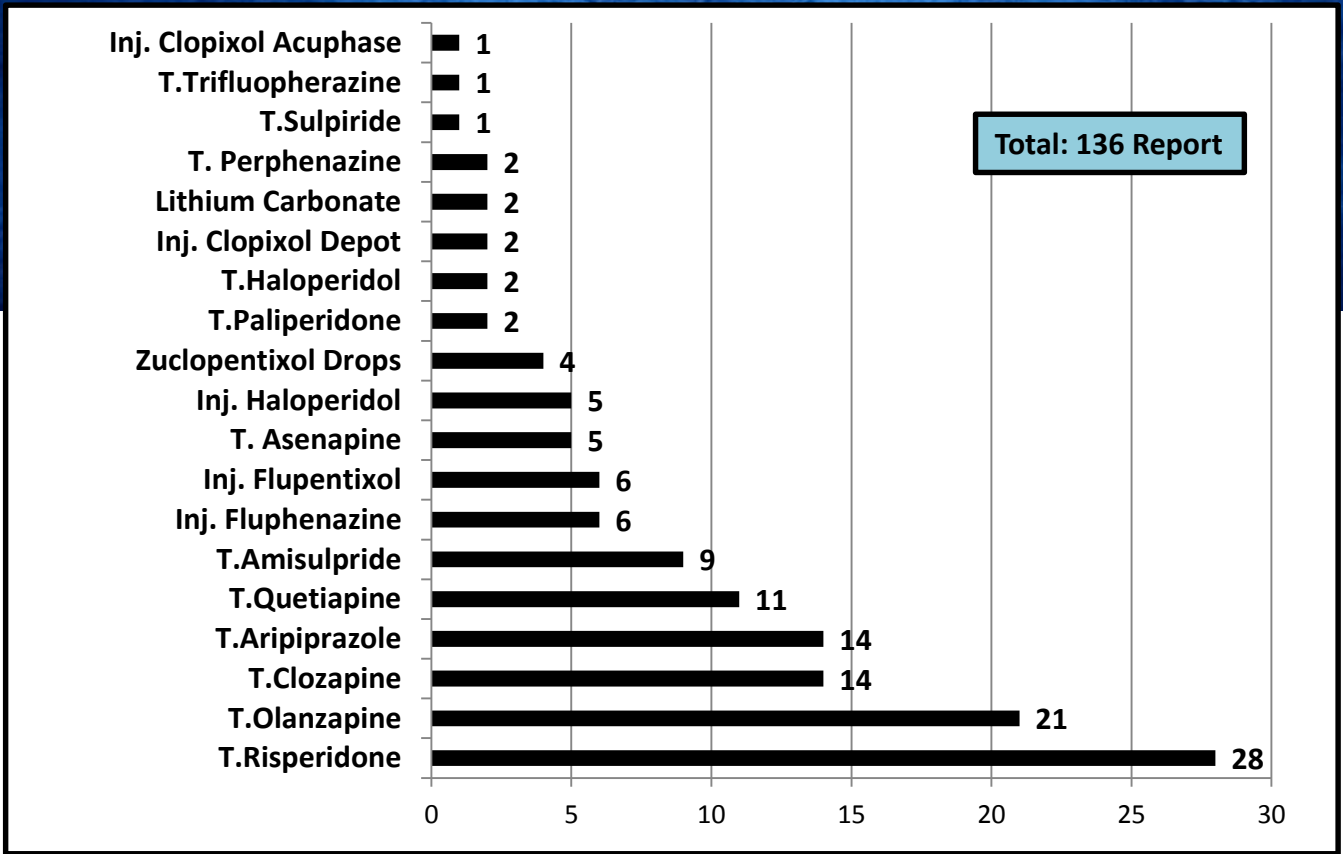
Types of Adverse Drug Reaction

The drug with highest rate of ADR incident between 2015 until 2017 is T. Risperidone (28), followed by T. Olanzapine (20), T. Clozapine (14) and T. Aripiprazole (14). The most common adverse drug reaction for the following drugs are, EPS, hypotension, hypersalivation, bradycardia, QTc prolongation, Tardive dyskinesia and Involuntary mouth movement

Table 2: Drugs with highest Rate of ADR incident from 2015-2017

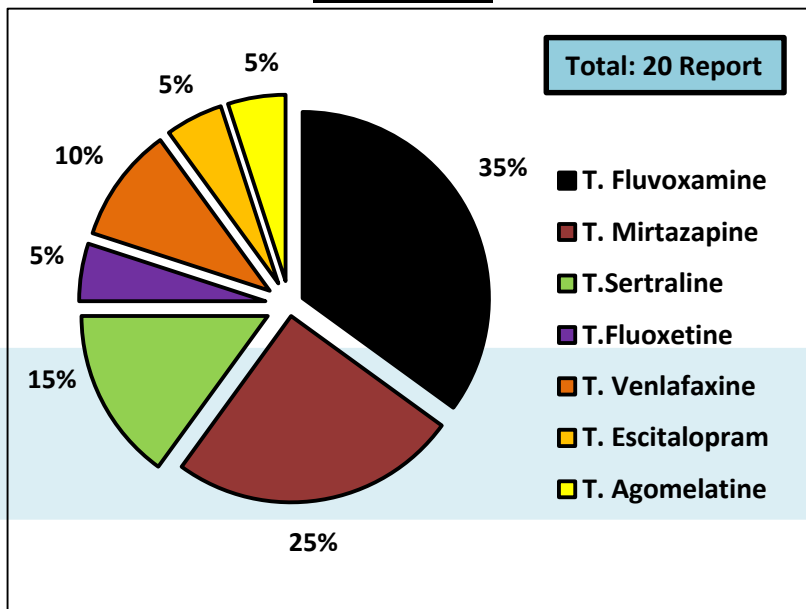
DRUG	No of CASES	Overall ADR
T. Risperidone	28	U/L & neck rigidity & hypersalivation, Acneiform eruption, Breathing difficulty & blocked nose, High blood pressure, Postural hypotension, bradycardia, rigidity, Increased LFT, EPS, Dystonia, Palpitation, Hypotension, QTc prolongation, akathisia, EPS, hypersalivation, cogwheel rigidity bilateral elbow, bradykinesia, Tardive dyskinesia, stiffness(reduced arm swing) and tremor, involuntary eye and mouth movement, talked slurry
T. Olanzapine	20	Galactorrhea, Amenorrhea, Oedema U/L, L/L & lips, Dizziness, unsteady gait, postural hypotension, Hypotension, , Increased ALT & AST, EPS, Erectile dysfunction, Tardive dyskinesia, extreme drowsiness, weakness, weight gain, stiffness (reduced arm swing) and tremor, sinus bradycardia
T. Clozapine	14	Blurred vision at night, Oculogyric crisis, Increased Hb and hematocrit, QTc prolongation, Leukocytosis, Urinary Incontinence, Hypersalivation, ANC value decreased, hyponatremia, EPS, Eosinophil count increased, unsteady gait
T.Aripiprazole	14	Akathisia, Alopecia, Hyponatremia, body temperature increased, ankle swelling, Dykinesia, Involuntary mouth movement, Increased ALT
T. Quetiapine	6	High triglycerides, torticollis (stiffness over left neck and posterior part), bradycardia, low blood pressure, palpitations, cogwheel rigidity, tardive dyskinesia , involuntary movement
T. Fluvoxamine	5	Bardycardia
T. Amisulpiride	4	Hypersalivation, pseudoparkinsonism, tremors & rigidity, slurred speech, blurred vision, Bradycardia, QTc prolongation
Im. Fluphenazine	3	Involuntary mouth movement

Figure 5: Total ADR Cases for Antipsychotic Drug from 2015 - 2017



T. Risperidone remains as the drug with most ADR report between 2015 until 2016 (28). There were 21 ADR reports involving T. Olanzapine and 14 reports of T. Clozapine and T. Aripiprazole. 5 out of 19 antipsychotic drug with ADR report are injection such as Inj. Fluphenazine (6), Inj. Flupentixol (6), Inj. Haloperidol (5), Inj. Clopixol Depot (2) and Inj. Clopixol Acuphase (1).

Figure 6 :Total ADR Cases for Antidepressant Drug from 2015 - 2017



From the year 2015 until 2017, ADR reports received showed that T. Fluvoxamine had the highest percentage (35%) among all the other antidepressant. The mostly reported antidepressant include T. Mirtazapine (25%), T. Sertraline (15%), T. Venlafaxine (10%),

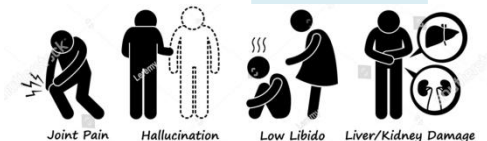


Figure 2: ADR report for Antipsychotic drugs for 2017

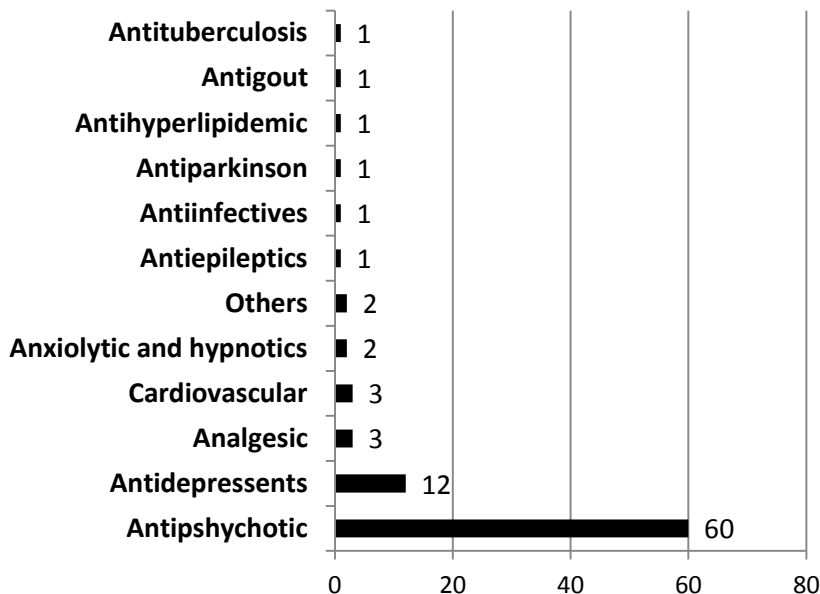


Figure 5: ADR report for Antidepressant drugs for 2017

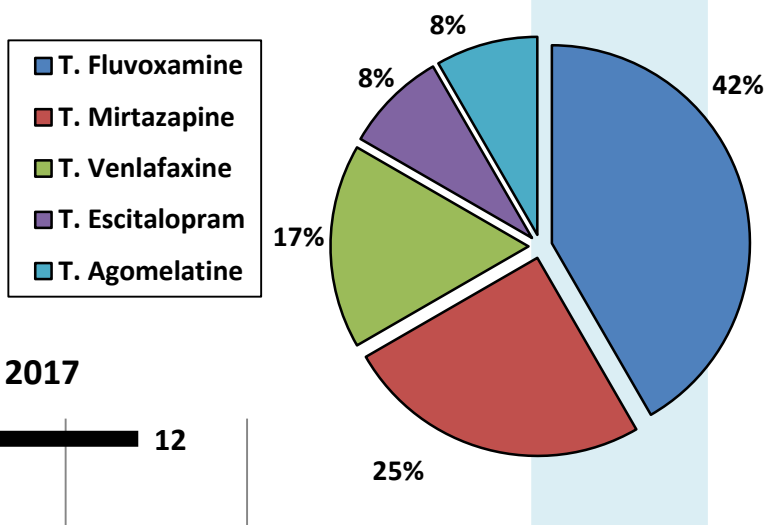
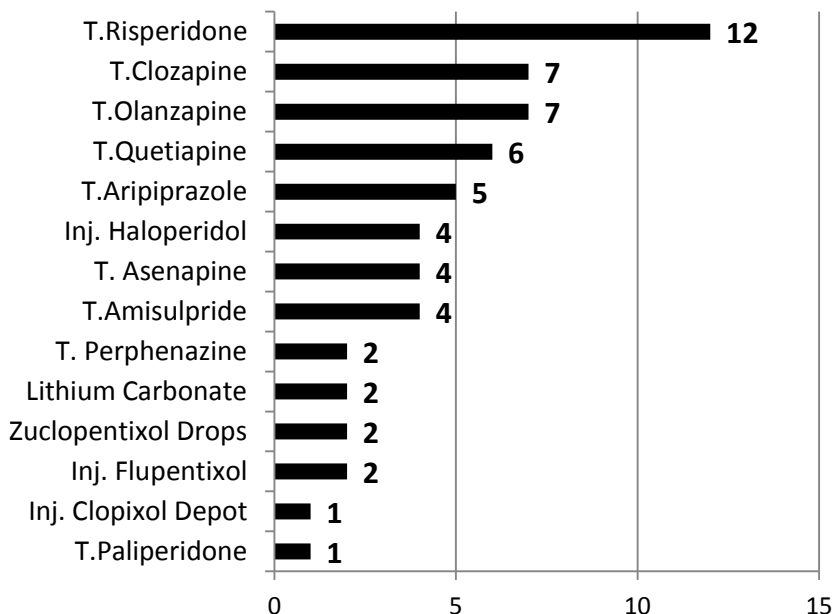


Figure 4 : Total Reported ADR 2017



The total number of ADR report for 2017 is 88 cases. The most common class of drugs reported with ARDs was with antipsychotic and antidepressant with 60 reports (68.2%) and 12 reports (13.6%) respectively for 2017. Drugs under the classification of Others consist of Sy. Diphenhydramine, IV Gelofusin and T. Prolase. T. Diclofenac was the most reported analgesic for ADR.

The most common antipsychotic injection reported in 2017 were Inj. Haloperidol, Inj. Flupentixol and Inj. Clopixol Depot. Antidepressant drug that commonly had ADR report in 2017 was T. Fluvoxamine (42%), followed by T. Mirtazapine (25%) and T. Venlafaxine (17%).

