COMPARISON OF EFFICACY BETWEEN RIGHT UNILATERLA ULTRABRIEF PULSE ECT & BILATERAL ULTRABRIEF PULSE ECT IN AN ADOLESCENT: A CASE REPORT

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INTRODUCTION

Early onset Schizophrenia is a severe illness associated with poor response to medication.[1] Clozapine is the gold standard drug in case of treatment resistant Schizophrenia.[2] In Ultraresistant Schizophrenia ECT augmentation is an effective treatment in adults.[3]

ILLNESS HISTORY

Mr. P, a 17-year-old Christian adolescent male presented to LGBRIMH OPD with complaints of aggressive & self-harming behaviour secondary to hearing voices of Satan commenting on him and commanding him to act accordingly for past 2 years. He could not continue his studies due to illness. He remained isolated from his friends during this period.

There was no history of major head trauma, Seizure or Fever with loss of consciousness prior to the onset of illness. No history of intake of any psychoactive substance in dependence pattern.

DRUG HISTORY

Drug	Dosage	Duration	Efficacy	Side Effects
Olanzapine	20mg	15 days	Poor	Nil
Risperidone	8mg	14 days	Poor	Nil
Haloperidol	20mg	18 days	Poor	Nil
Clozapine	300 mg	1 month	Initially good but then poor	Nil
	350 mg	7 days	Poor	Hypersalivation
Sodium Valproate (Augmenting agent to clozapine)	400mg	14 days	Nil	Nil
RUL ECT	8 Cycles	3 weeks	Minimal	Nil
BL ECT	6 cycles	2 weeks	Good	Nil

Baseline Rating of Psychiatric Symptoms Rating Scale, Hallucination Subscale was 40. After 3 cycles of RUL Ultra brief ECT in the 1st week the scores changed to 36. After 3 more ECT in the subsequent week at the end of 2nd week these scores become 34. After no further improvement with 2 more cycles of RUL Ultra brief ECT he was switched to Bilateral Ultra-Brief pulse ECT. He showed response as indicated by change in Hallucination score to 20 after 3 ECT and 10 after 6 ECTs.

CONCLUSION

In our case, we found clozapine
augmentation by Right unilateral Ultra
brief pulse Electroconvulsive therapy
to be ineffective in a case of Clozapine
resistant Schizophrenia in an
adolescent patient, but Bilateral Ultra
brief pulse ECT was effective.

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