

A CASE REPORT ON ACUTE DYSTONIC REACTION INDUCE BY PROCHLOPERAZINE MALAETE IN PEDIATRIC PATIENT

AMIR RIDHWAN MAZALAN¹, CHAI XIN TIAN², RIDZUAN MOHD ISA²

¹HOSPITAL AMPANG, SELANGOR, MALAYSIA

INTRODUCTION

Acute dystonic reactions are reversible extrapyramidal effects that can be induced by a variety of medications. It is characterized by intermittent spasmodic or sustained involuntary contractions of one or more muscles. Occasionally, it involves the larynx and leads to imminent respiratory arrest which required immediate treatment. Prochlorperazine maleate is a phenothiazine drug commonly use as antiemetics, which was thought to induce acute dystonic reaction in a pediatric patient.



- benzodiazepines soon after.
- The patient had relapse of symptoms after first dose of diphenhydramine, this suggested more than one dose of anticholinergic agent maybe needed for complete resolution of acute dystonic reaction.
 - Pharmacologic treatment with anticholinergic agent or benzodiazepines is the recommended treatment
 - In this case, anticholinergic agent i.e diphenhydramine was used in view of safety and efficacy of others anticholinergic agent such as procyclidine have not been established in pediatric group.

oculogyric crisis, and tortipelvic crisis.

DISCUSSION

- The diagnosis of acute dystonic reaction is always a challenge for physicians in emergency department as the symptoms can be confused with epilepsy, encephalitis, paroxysmal tonic upward gaze and eye movement tics.
- Period of reaction from days to months after administration of the causative drug.
- Therefore, careful and detailed drug history are crucial to establish the diagnosis and subsequently avoiding the trouble of going through detailed and exhaustive neurological examination and investigations.





bilateral eyes

Figure 1: Note the prominent torticollis and tongue protrusion.



Figure 3: resolved symptom postsyrup diphenhydramine.

CONCLUSION

Early intervention is crucial in managing acute dystonic reaction to prevent life threatening condition such as laryngeal spasm. Careful monitoring of the patient is warranted since there is risk of relapse of symptoms after treatment was administered.

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