

THE STUDY OF ROLE OF MAGNESIUM SULPHATE VS. DIAZEPAM IN ECLAMPSIA

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Eclampsia is a life threatening condition with highest mortality and morbidity characterized by uncontrolled hypertension, unconsciousness fits albumin urea in the setting of preeclampsia.

Study: An extensive elaborative study carried out from 2005 to 2009, to study the therapeutic and prophylactic role of magnesium sulphate and Diazepam in Eclampsia.

Aim: To study the role of magnesium sulphate ($MgSO_4$) vs. Diazepam in reducing maternal mortality ratio (MMR), neonatal mortality rate (NMR) in Eclampsia.

Study Design: This was a comparative study. Total 500 patients of fulminant pre-eclampsia /eclampsia including booked/unbooked patients attending Lady Willingdon Hospital were admitted, evaluated, assessed and put on $MgSO_4$ vs. Diazepam divided in two groups. The results were compared which showed of $MgSO_4$ has superior efficacy compared to Diazepam in improving overall mortality and morbidity in Eclampsia.

Materials & Methods: Total 500 patients of Eclampsia were admitted and studied in Unit-2 Lady Willingdon Teaching Hospital of King Edward Medical University Lahore managed in ICU according to a specially design proforma, protocol and were given $MgSO_4$ and Diazepam for control of fits, Hydralazine, Labetalol and Isoket infusions for lowering blood pressure ($MgSO_4$) A+B. Diazepam, with multidisciplinary involvement divided in two groups, compared and followed up.

Results: In Group A, there were 20 mothers and in Group B, 40 mothers died. It was observed that maternal mortality was significantly higher in Group B women as compared to that of Group A. i.e. (p-value=0.005).

Conclusion: The comparative study and of role of $MgSO_4$ vs. Diazepam in reducing mortality, morbidity in maternities, neoneties, efficacy showed the superiority of magnesium sulphate as compared to Diazepam without any doubt.

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