MANGEMENT OF THIRD STAGE COMPLICATIONS IN LABOUR WITH CARBOPROST AND METHERGIN

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SUMMARY

This study was undertaken to compare the use of Prostaglandins and Methergin in the Prophylaxis of Postpartum haemorrhage. A total of hundred normal delivery cases were studied, after including high risk factors. 50 patients were given Injection Methergin (Methyl Ergometrine) and 50 were given Injection Carboprost (15-S-15-Me PGF_{2α}) after the delivery of placenta. The total blood loss was compared. No significant difference was found in the amount of blood loss in both cases. 10 cases of actual atonic PPH were given prostaglandins with good result. It was concluded that Injection Prostaglandin has no advantage, being so costly, over injection Methergin which is cheap and easily available for routine use in preventing PPH. However Prostaglandins have a definite role to play in active management of atonic PPH.

Introduction

Postpartum haemorrhage (PPH) is potentially a life threatening complication of the third stage of labour, and is still one of the important causes of maternal mortality inspite of all the advances made in recent years. The incidence of PPH is from 3% to 8% of all deliveries. Methergin and Syntocinon (Oxytocin) have been the backbone of the treatment of PPH, but in the last few years, prostaglandins have gained in popularity in effectively controlling haemorrhage.

Department of Obstetrics and Gynaecology, Safdarjung Hospital, New Delhi 110 029. Accepted for publication on 27/11/1989. Prostaglandins are unique in their property of stimulating the myometrium at all stages of pregnancy. The Synthetic analogue 15-S-15 Me PGF_{2α} is not inactivated by the enzyme 15-dehydrogenase, hence it has a more prolonged, and potent action, than the original compound. There have been no studies on the prophylactic use of prostaglandins in preventing atonic PPH, with this in mind it was decided to conduct a comparative study showing the relative efficacy of Carboprost and Methergin.

Material and Methods

A total of 100 cases admitted in Safdarjung Hospital, New Delhi were

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