ROUTINE USE OF FORCEPS FOR THE AFTERCOMING HEAD OF BREECH

SHARAD GHAMANDE, N.MAHAJAN, N. M. NARVEKAR, M. D. HANSOTIA

SUMMARY

The aftercoming head of the breech was delivered with the application of a long forceps in 37 patients at Nowrosjee Wadia Maternity Hospital. An identical number of patients were delivered without forceps to act as the control.

56.76% of the patients were primigravidae; which were almost equally distributed in both groups. A comparative analysis of the two groups showed that there was a significantly higher Apgar score at 1 minute and 5 minutes in the group delivered by forceps. The neonatal morbidity in the group delivered with forceps was (2.7%) less than that in the babies delivered without forceps (16.22%). Prophylactic application of forceps to the aftercoming head of breech is advocated.

INTRODUCTION

The aftercoming head of a breech delivery poses a problem; wherein the obstetrician's skill, clinical acumen, and judgement is tested. A variety of manoouvers have been described in the literature for the same; but Munro Kerr (1982) has no hesitation in describing the forceps as the method of choice.

MATERIAL AND METHODS

A study was conducted at the Now-rosjee Wadia Maternity Hospital, wherein 74 patients with no antenatal problems complicating the pregnancy and with a breech presentation, suitable for vaginal delivery were selected. Each of these patients has previously undergone an ultrasonic scan to rule out any congenital malformations. Half of these patients were delivered by the Mauriceau-Smellie-Veit method, whereas the other half were delivered by applying a long Simpson's

Dept. of Obstet. & Gynec., Nowrojee Wadia Maternity Hospital, Parel, Bombay. Accepted for Publication: 18/5/91

forceps to the aftercoming head of the breech. In both groups a pudendal nerve block and a generous episiotomy were given. A comparative analysis of the two groups was made with respect to parity, birth weight, duration of second stage of labour, and the fetal outcome. The chi square test was used to determine the significance of the result.

RESULTS

56.76% of the cases in this study were primigravidae; which were almost equally divided in both the groups. The commonest type of breech in both the groups was a frank breech (Table 1).

TABLE1
PARITY DISTRIBUTION

Parity	Without	Forceps	With	Forceps
	Total	Total $n = 37$		n = 37
	n	%	n	%
1	22	59.46	20	54.5
1-4	15	40.54	16	43.25
5 & above	0	-	1	2.70

The duration of the second stage of labour was similiar in both the groups with twelve patients having second stage prolonged beyond half an hour in the group where forceps was applied as compared to 18 patients in the group where forceps was not applied. The least and the largest birth weights were 1.5 kg and 3.850 kg respectively; both the babies being delivered by forceps There was a statistically significant improvement in babies born with application of forceps in the 1 minute and 5 minute Apgar scores as compared to the babies delivered without forceps. 89.19% of the babies delivered

ered by forceps had an excellent Apgar score of 8 and above as compared to 48.65% of the babies delivered without forceps. No baby delivered with forceps had an Apgar score of 3 or below at 1 minute as compared to 9 babies delivered without forceps. (table 2). The 5 minute Apgar scores in the babies delivered by forceps was 7 or less than that in only 1 baby as compared to 11 babies in the group delivered without forceps. (table 3).

TABLE2
APGARSCOREATONEMINUTE

Apgar 1Min.	Without n	Forceps %	With	Forceps %
1-3	9	24-32	0	
4-7	10	27.3	4	10.81
8 - 10	18	48.65	33	89.19

TABLE3

AP	GA	RA	T5N	IIN	IT	DS

Apgar 5Min.	Without n	Forceps %	With	Forceps %
1-3	3	8.11	0	n) och
4-7	8	21.62	1	2.70
8 - 10	26	70.27	36	97.30

There was no neonatal mortality in the group delivered by forceps as compared to 2 in the group delivered by Mauriceau-Smellie-Veit manouver. One of these babies had seizures and hyperbilirubinemia due an intra cerebral bleeding and the other baby had severe birth asphyxia leading to terminal cardiorespiratory failure. The morbidity in group delivered by forceps was 2.7% as compared to 16.22% in the group delivered without forceps and this included a baby with fractured clavicle (table 4). There were no significant maternal

TABLES

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