

ROLE OF ANTENATAL CHECKUP ON CAESAREAN SECTION

ABSTRACT

Objective: The present study was designed to study the role of antenatal check upon caesarean section (C-Section) rate in patients reporting to labour room.

Methodology: : A total of 447 patients who underwent treatment were included in this study. Patients were divided into two groups: 1) Booked patients - the ones who consulted obstetrician regularly during pregnancy, 2) Unbooked patients - These patients do not consult obstetrician for ante-natal checkup during the pregnancy. The data was collected on a proforma and was statistically analyzed

Results: About 77.85% of the total recruited patients in the study were booked while 22.15% were un-booked. A 37.6% of the booked patients had to undergo caesarian section (c-section) while 62.4% patient underwent spontaneous vaginal delivery (SVD). Whereas 51.5% un-booked patients had c-section while 48.5% patients underwent SVD. Point two percent and 2.5% of the overall patients had gestational diabetes and anaemia respectively. Three percent of the total pregnant patients were diagnosed as being hypertensive. Patient history revealed that 3% patients had bad obstetrics history and 76.9% of them attended ante-natal clinic

Conclusion: In our set up overall C-section rate was 42.6% but in the booked group the rate was 37.6% as compared to the much higher 51.5% in the un-booked group thus indicating that high C-section rate in the unbooked group contributed in a major way to the overall C-section rate

Keywords: Antenatal checkup, Booked cases, Caesarean section, Risk factors.

Table-I: Spontaneous vaginal delivery and caesarian section among booked and unbooked patients.

Description	Spontaneous Vaginal Delivery (SVD)	Caesarian Section (C-Section)	χ^2	Relative Risk	p-value
Booked Patients	217 (62.4%)	131 (37.6%)	6.144	1.286	0.0132*
Unbooked Patients	48 (48.5%)	51 (51.5%)			

Table-II: Anaemic cases among booked and unbooked patients.

Description	Normal Patients	Anaemic	χ^2	Relative Risk	p-value
Booked Patients	338	10	40.16	1.233	<0.0001***
Unbooked Patients	78	21			

Table-III: Hypertensive patients among booked and unbooked patients.

Description	Normal Patients	Diagnosed and Treated Hypertensive Patients	Undiagnosed and Untreated Hypertensive Patients	χ^2	df	p-value
Booked Patients	338	10	0	13.39	2	0.0012**
Unbooked Patients	96	0	3			