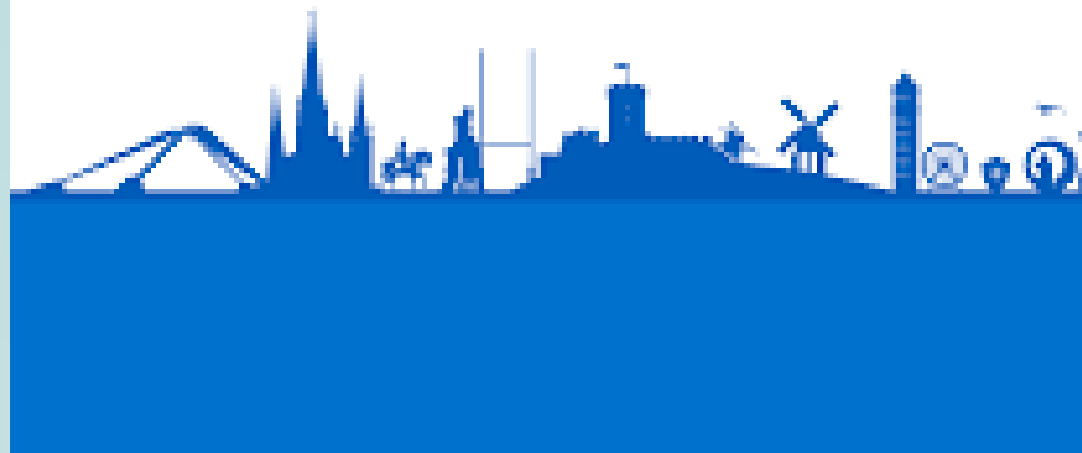


Outcome analysis of full dilatation caesarean section: Role of preterm prevention clinics (PPC).



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Introduction

In the UK, caesarean deliveries account for 42% of births, with 5% performed in the second stage of labour.

Clinical Challenge

FDCS increases risk of spontaneous preterm birth in subsequent pregnancies

Objectives

Examine the impact of Preterm Prevention Clinic (PPC) referral on obstetric and neonatal outcomes following FDCS.

Study Period: 2020-2024

Setting: Single tertiary care center

Methodology

- **Design:** Retrospective cohort analysis
- **Population:** All women with FDCS 2020-2024
- **Inclusion:** Women with subsequent pregnancies
- **Comparison:** PPC referral vs non-referral outcomes
- **Data Collection:** Demographics, operative findings, delivery outcomes

305 Total FDCS Cases

64 Subsequent Pregnancies

Results

The cohort comprised women with median age 31.6 years (range 21-43). No significant differences in demographics between PPC and non-PPC groups regarding age, BMI, or parity distribution.

Key Results

20.9%

Subsequent Pregnancy Rate

557ml

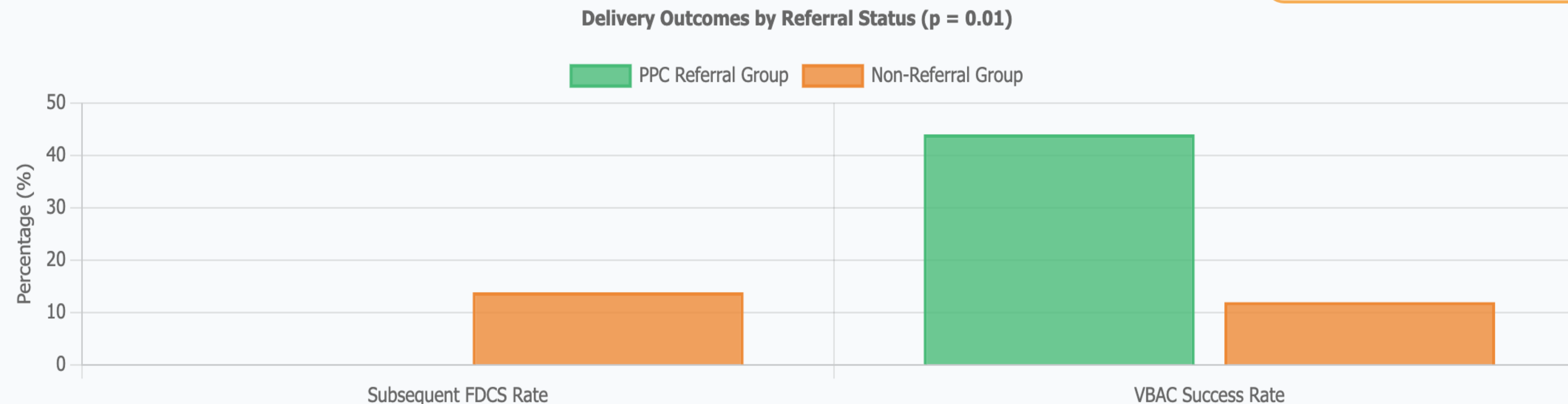
Average EBL

74.5%

Repeat CS Rate

28.9%

Adhesions Found



p = 0.01 (statistically significant)

Acknowledgements

No Funding Conflicts



Conclusions & Clinical Implications

Key Findings

✔ **Zero FDCS rate** in PPC group vs 13.9% in non-referred

✔ **Higher VBAC success:** 44% vs 12% (p=0.01)

⚠ **Similar gestational age** at delivery (p=0.92)

Clinical Implications

🎯 **Wider benefits** of PPC beyond preterm prevention

📈 **Improved birth experience** through VBAC facilitation

🔬 **Further research** needed to understand mechanisms

Future Directions

Evaluate the origin of improved outcomes beyond gestational age prolongation in PPC-referred patients

Statistical Significance: The most clinically significant finding was the dramatic difference in delivery outcomes between groups. Chi-square analysis revealed statistically significant associations between PPC referral and improved delivery modes.

PPC Group Outcomes (n=6)

- **Repeat FDCS:** 0/6 (0%)
- **VBAC Success:** 2/6 (33.3%)
- **Elective CS:** 1/6 (16.7%)
- **Emergency CS:** 2/6 (33.3%)
- **Normal Birth:** 1/6 (16.7%)

Non-PPC Group Outcomes (n=36)

- **Repeat FDCS:** 4/36 (11.1%)
- **VBAC Success:** 5/36 (13.9%)
- **Elective CS:** 16/36 (44.4%)
- **Emergency CS:** 9/36 (25.0%)
- **Medical Management:** 2/36 (5.6%)

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