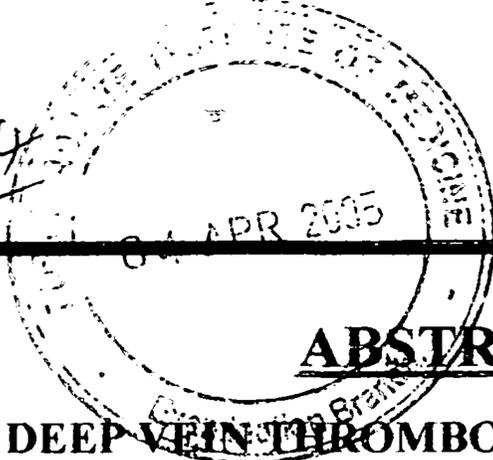


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ABSTRACT

INCIDENCE OF DEEP VEIN THROMBOSIS (DVT) IN WOMEN FOLLOWING CAESAREAN SECTION AT OBSTETRIC PROFESSORIAL UNIT OF DE SOYZA HOSPITAL FOR WOMEN

Objectives

To determine the incidence of DVT following caesarean section, to identify the significance of various risk factors for DVT and to assess correlation of clinical features in relation to objective tests for DVT.

Design

A Prospective Cohort Study.

Setting

Professorial Obstetric unit, De Soya Hospital for Women (DSHW), Colombo.

Population

Six hundred & eleven women who underwent caesarean section during a period of nine months (1st of March 2003 to 31st of November 2003) in the above unit.

Methods

Data was collected by an Interviewer-based pretested questionnaire, from case notes, physical examination and by doing non invasive colour Duplex ultrasonography and real time ultrasound scan. The principal investigator was trained to do real time ultrasound scan & colour Duplex by S.M. Wijeyaratne, Professor, Department of Surgery in Colombo.

The principal investigator collected the data from all the subjects. The caesarean section register was maintained. Every first two out of each set of three were recruited. Every third one was excluded.

Thereafter the above mentioned information, physical examination and non invasive investigations (real time ultrasound scan & colour Duplex scan) were done on 4th post operative day.

Main outcome measures

Incidence of DVT, odds ratios for variables associated with DVT & the sensitivity and specificity of clinical features of DVT.

Results

Five hundred and four out of six hundred eleven women responded to this study. The response rate was 83.3%. Based on clinical diagnosis 14 cases were detected as having DVT. Out of these 14 cases 6 had confirmed DVT by objective tests. Out of the 6 confirmed cases one had pulmonary thromboembolism (PTE).

The risk factors identified for DVT in our study include emergency caesarean section, age ≥ 35 years, para ≥ 4 , pre eclampsia, current major illnesses, current infections & immobility prior to surgery. The very high risk for DVT was identified as of risk score ≥ 10 or risk factors 5 or more.

The sensitivity of clinical diagnosis is 42.8%.
