

Decreased ratio of elective caesarean section – A register study at Danderyd Hospital between the

Years 2015-2017

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Introduction: The caesarean section-rate is rising around the world and the indications as well as the negative consequences of a caesarean section are widely debated. Primary reason behind the rise in well developed countries is the use of non-medically indicated caesarean sections.

Aims: To assess whether there had been a change in the proportion of elective caesarean section from 2015 to 2017 at Danderyd Hospital.

Material and Methods: An observational register based study at DH from 2015-2017. Data regarding deliveries and caesarean sections from the National Board of Health and Welfare, Statistics Sweden, Region Stockholm and the Swedish Perioperative Register (**SPOR**).

Results: A significant decrease of 1% in the elective caesarean section-rate at Danderyd Hospital with $p\text{-value} < 0.05$. No significance in ratio when compared Danderyd Hospital to national and regional ratio. No significance in ratio between the two delivery units at Danderyd Hospital.

Conclusions: Elective caesarean section is a matter of discussion. Danderyd Hospital showed a decrease in their rate between 2015 and 2017. No significant ratio when compared to national and regional ratio. It is not possible to comment on if the decrease is a sign of mother's wish or if medically indicated based on the data. Further studies focused on the indications are warranted.

Keywords: Elective caesarean section, Non-medical indication, Mother's wish, Maternal care, Stockholm, Danderyd Hospital.