

Refertilisation with the additional use of fibrin adhesive (Beriplast). A preliminary communication. [German]

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Abstract:

This is a report on the first use of a fibrin adhesive in microsurgical refertilisation. During the period between 4.4. 1984 and 11.11. 1985 a total number of 17 women were operated on with the additional use of this fibrin adhesive. In the first group, operated on between 4.4. 1984 and 14.11. 1984, three pregnancies have occurred so far. On 6.4. 1985 the first patient of this group gave birth to a boy weighing 3050 gr. To our knowledge this is the first delivery world-wide that was effected with the additional use of fibrin adhesive. Laparoscopy of tube function of a further patient in this group who had not become pregnant after 12 months revealed normal anatomical conditions in the region of the refertilised tube as well as perfect patency. Two cases of intrauterine pregnancy are known in another group of 6 women operated on between 13.2. 1985 and 15.5. 1985. In five patients the follow-up period is less than 4 months, and hence these have been excluded from evaluation. No ectopic pregnancies are known so far. We believe we can sum up as follows in respect of preliminary results: Additional use of fibrin adhesive in the refertilisation of fallopian tubes will not result in enhanced risk of renewed closure. It will be possible to develop suture-free techniques of anastomosis after appropriate development. Operation times get shorter by using fibrin adhesive and the stress exercised on the patient by anaesthesia is reduced. There does not seem to be any enhanced risk of ectopic pregnancy.