In this abstract we will compare two groups of patients having infertility problems because of deep endometriosis. Our patients have been followed in the Gynecology and fertility department of university hospital Erasme from 1997 to 2013. The first group had a surgical treatment of deep endometriosis after a non-responding fertility treatment. The second group had a surgical treatment of deep endometriosis before starting a fertility treatment. Comparing these two groups of 60 patients each, we conclude that fertility treatment was more successful after surgical treatment of deep endometriosis.