

Role of Bariatric Surgery in Polycystic Ovarian Syndrome & Infertility

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Abstract : Introduction: Polycystic ovarian syndrome(PCOS) is the most common endocrine disorder among women of reproductive age. Pcos encompasses a broad spectrum of signs&symptoms of ovary dysfunction, obesity, blood pressure, insulin resistance & infertility. Bariatric Surgery can be an effective means of weight loss in Pcos & curing infertility. Materials and Methods: 15 female patients were enrolled in the study from 2012-2014. 66%(n=10) were in age group of 20-25 years, 33%(n=5) were in age group of 25-33 years who underwent. Bariatric surgery in form of Laproscopic sleeve Gastrectomy(LSG)& Roux-en-Y gastric bypass. LSG 73%(n=11), RYGB 26% (n=4). Results: There was a significant improvement in obesity (60% excess weight loss) over 1 year after bariatric surgery, in 12 patients there was gross improvement in restoration of menstrual cycle who had irregular menstrual cycle. In 80% patients the serum insulin level showed normal value. Over two years 8 patients become pregnant. Conclusions: 1) Obese women with Pcos maybe able to conceive after Bariatric Surgery. 2) Women with Pcos should only consider bariatric surgery if they were already considering it for other reasons to treat obesity, blood pressure & other co-morbid conditions.

Keywords : obesity, bariatric surgery, polycystic ovarian syndrome, infertility

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