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**Title: Evaluation Of Diagnosis And Outcome In A Series Of 1090 Infertile Women Who Conceived After Hysteroscopy**



### Introduction

The combined approach of hysteroscopy and laparoscopy enables a comprehensive evaluation of the uterus and pelvis. This "see and treat" methodology has proven effective in improving spontaneous conception rates and enhancing ART outcomes.

### Objectives

- To assess the impact of the "see and treat" approach on spontaneous conception and IVF success rates.
- To identify common fertility-related conditions detected and treated during the procedure.

### Materials and Methods

All patients who conceived following combined hysteroscopy were included in the retrospective analysis. Conception and live birth rates were the outcome measures.

### Results

- Live Births: 87% women had live births.
- Spontaneous Conception: 42% of women conceived spontaneously whereas 58% required ART.

Diagnosis - Hysteroscopy	Number	%
Normal	686	62.93
Myoma/polyp	173	15.87
Septum partial	69	6.33
Fibrous tissue	59	5.41
Thick/Irregular Endometrium	52	4.77
Small uterus	28	2.56
Septum complete	21	1.9
Single ostia	2	0.18

Conception Mode	Number	%	Pregnancy Outcome	Number	%
Spontaneous	459	42.11	Live Birth	954	87.52
IVF	494	45.32	Miscarriage	103	9.44
IUI	137	12.56	IUD	2	0.18
			PPROM<28w	31	2.84

Diagnosis - Laparoscopy	Number	%
Normal	139	12.75
Endometriosis Gr1-2	218	20
Endometriosis Gr 3-4	174	15.96
Myoma	173	15.87
PCOS	134	12.29
Adenomyosis	59	5.41
Dermoid Cysts	54	4.95
Tubal block (uni+ bil)	52	4.77
Fimbrial cyst	41	3.76
PID	37	3.39
Atrophic ovaries	7	0.64
Bicornuate with rudimentary horn	2	0.18

### Conclusion

The combined approach of hysteroscopy and laparoscopy offers a powerful "see and treat" tool, that not only improves diagnostic clarity but also provides immediate corrective treatment, leading to higher spontaneous conception rates & improved IVF outcomes.