


INITIAL RESULTS OF SURROGACY IN NATIONAL ASSISTED REPRODUCTIVE TECHNOLOGY CENTRE

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BACKGROUND

- ❑ 1978: first IVF baby in England
 - ❑ 1985: first surrogacy baby in USA
 - ❑ Demand is not much, but still exist
 - ❑ 15/03/2015 CP ban hành nghị định 10/2015/NĐ-CP
 - ❑ 3 centres in 3 regions allowed to perform
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SURROGACY FOR HUMANITY

- ❑ 19/6/2014:
Congress passed
a law to allow
surrogate for
humanity
- ❑ Started effect from
1/1/2015



OBJECTIVES

1. Study indications of surrogacy;
 2. Initial results of surrogacy.
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BACKGROUND

- ❑ Law obstacles
- ❑ Technique is not difficult, similar techniques of oocyte/embryo donation
- ❑ 2 types of surrogacy:
 - ❑ Direct Surrogacy
 - ❑ Surrogacy in couple with their own oocyte/sperm or oocyte donation

SURROGACY IN THE WORLD

- ❑ Inhibited:

France, Germany, Italia, Spain, Portugal & Bulgaria.

- ❑ Humanity surrogacy:

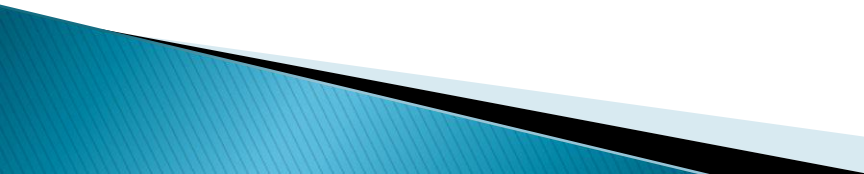
England, Denmark, Belgium, Ireland

- ❑ Commercial surrogacy: Russan, Ucraina, India

BACKGROUND



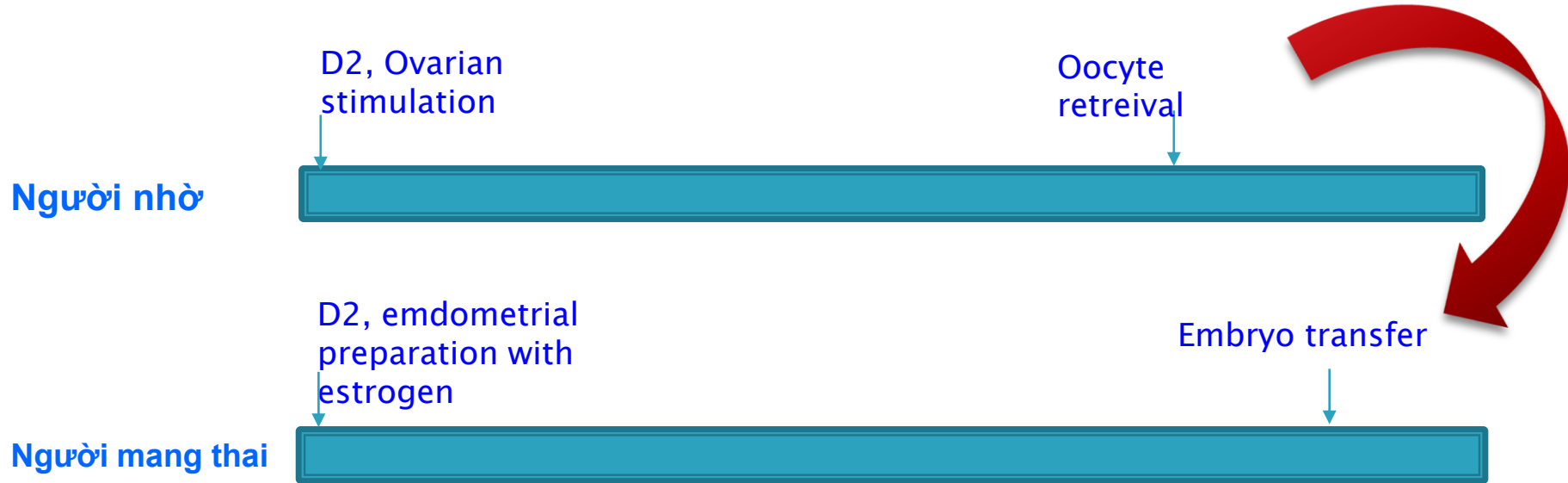
SURROGACY INDICATIONS

- ❑ Congenital absence of uterus: Rokitansky Synd
 - ❑ Hysterectomy: PPH, obstetric complications, uterus, cervical diseases
 - ❑ Uterin diseases: adenomyosis, adhesive uterus
 - ❑ Mother disease.....
 - ❑ Repeated IVF failure
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Surrogacy studies

- ❑ Judy (1998-USA): 95 surrogacy cases
- ❑ James (2000-USA): during 15 years; pregnancy rate was 24%
- ❑ Sylvia (2009-Holland): 29% was siblings; 20% sister in law; 51% friend

Procedures



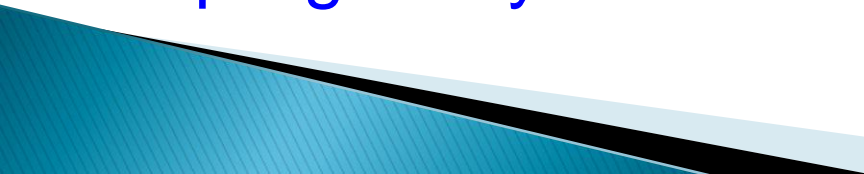
SUBJECTS & METHOD

- **Subjects.**

 - 45 IVF couple/surrogacy from 3/2015 till 12/2015

- **Method:** retrospective descriptive.

Variables

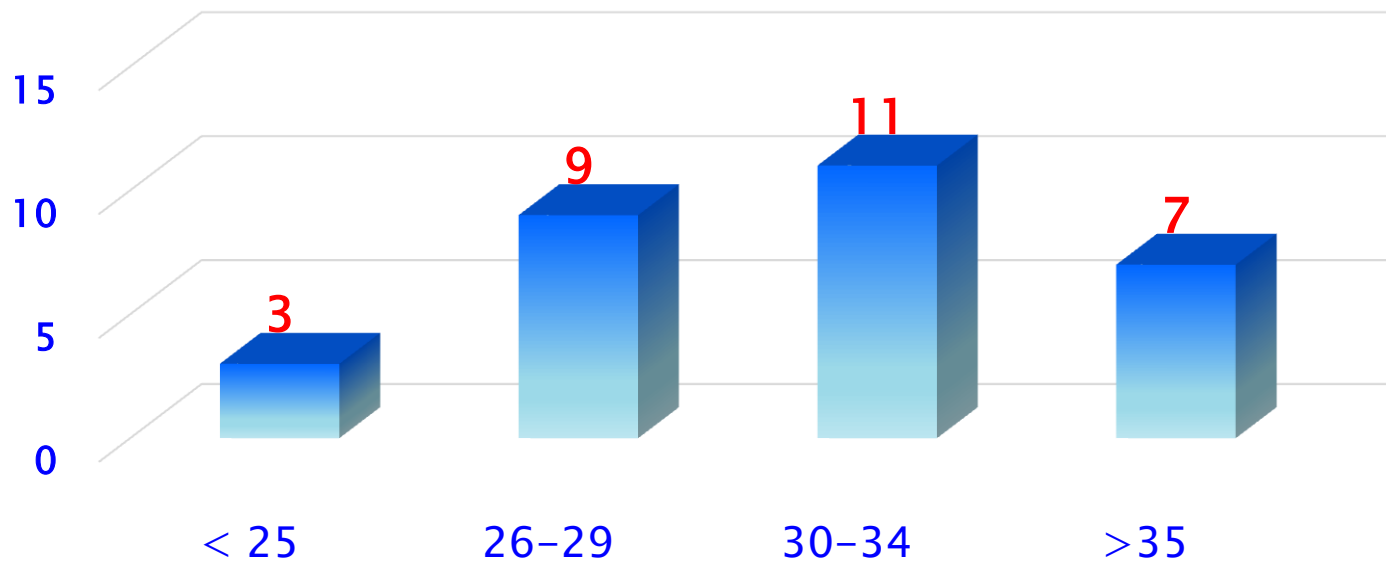
- ❑ Tuổi người nhò và người mang thai
 - ❑ Số con, cách sinh người mang thai
 - ❑ Infertile duration
 - ❑ Indication
 - ❑ Ovarian reserve
 - ❑ Ovarian stimulation/Embryo transfer
 - ❑ pregnancy rate
- 

Data processing

- ❑ Phiếu thu thập số liệu nghiên cứu thiết kế sẵn.
- ❑ Xử lý trên chương trình SPSS 21.0
- ❑ Tính tỷ lệ, giá trị trung bình ($X \pm SD$)
- ❑ So sánh sự khác biệt giữa các tỷ lệ bằng test χ^2 .
- ❑ $P < 0,05$ biểu thị sự khác biệt có ý nghĩa thống kê.

RESULTS

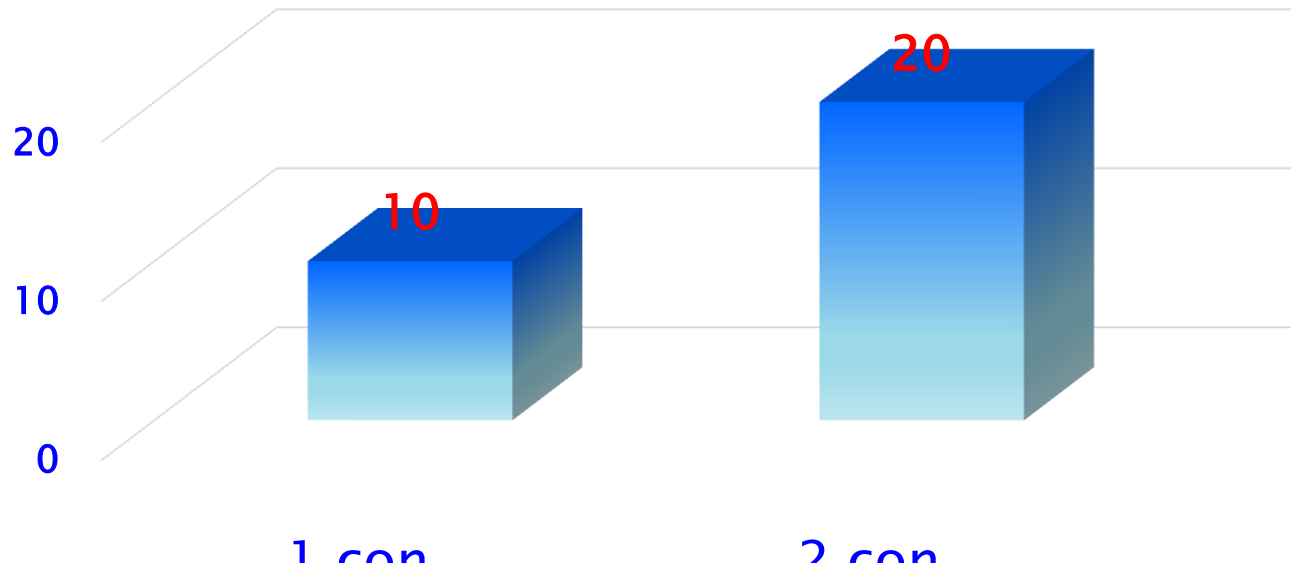
Tuổi người mang thai hộ



Tuổi trung bình: $31,49 \pm 5,0$ tuổi

RESULTS

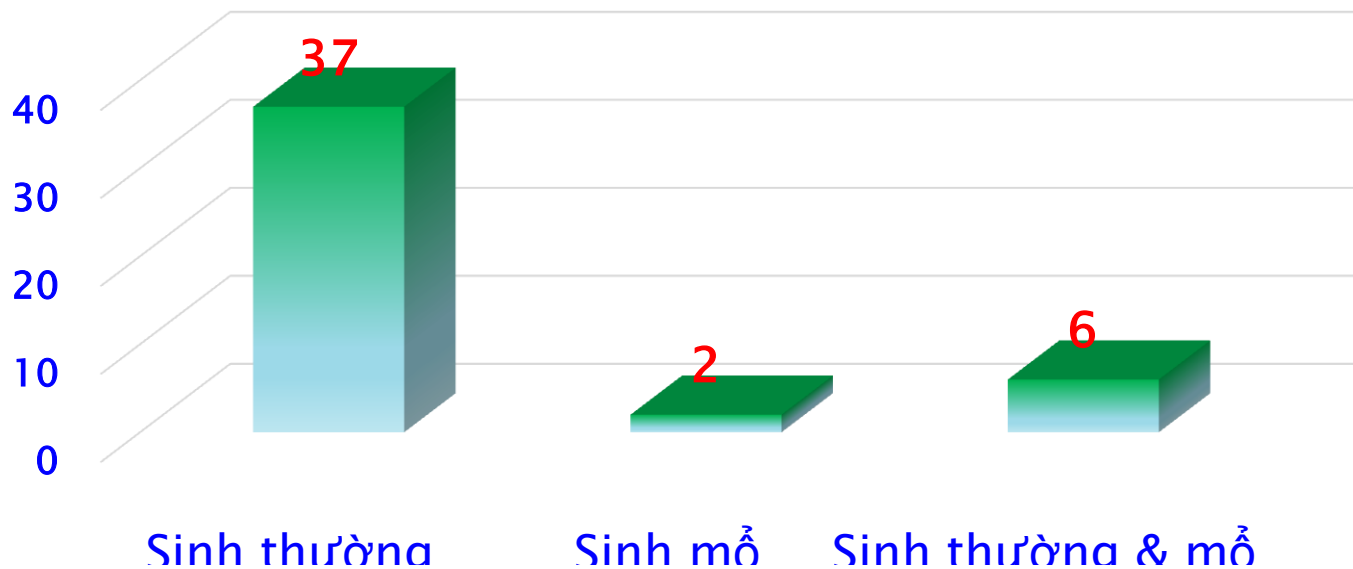
Số con người mang thai hộ



Số con trung bình: $1,71 \pm 0,5$ con

RESULTS

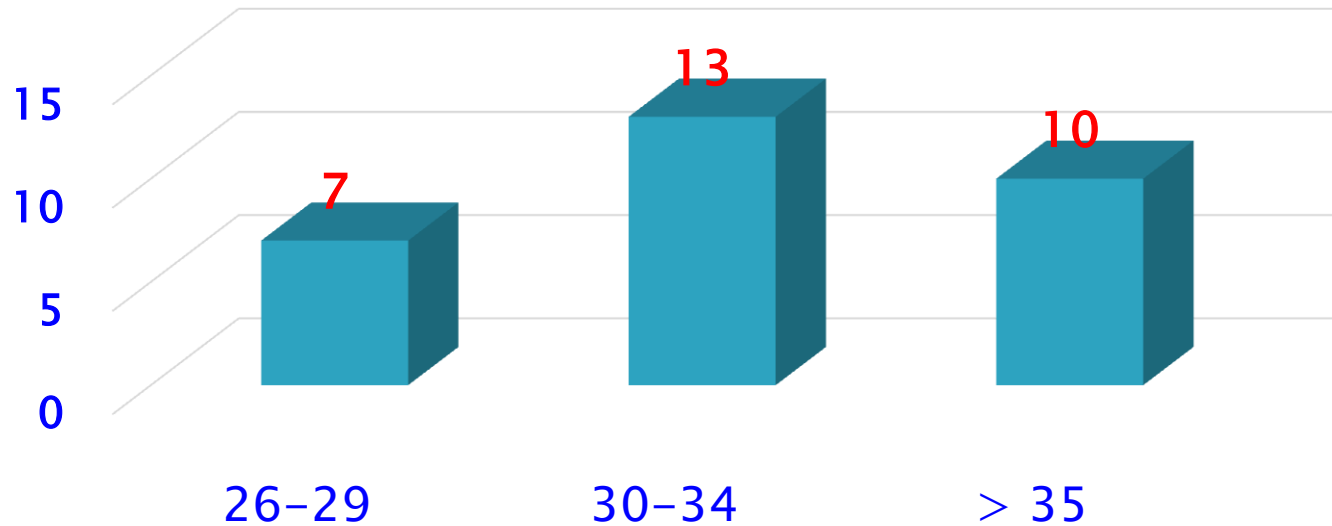
Cách sinh



37 trường hợp sinh thường, 2 trường hợp sinh mổ, 6 trường hợp cả sinh thường và sinh mổ

RESULTS

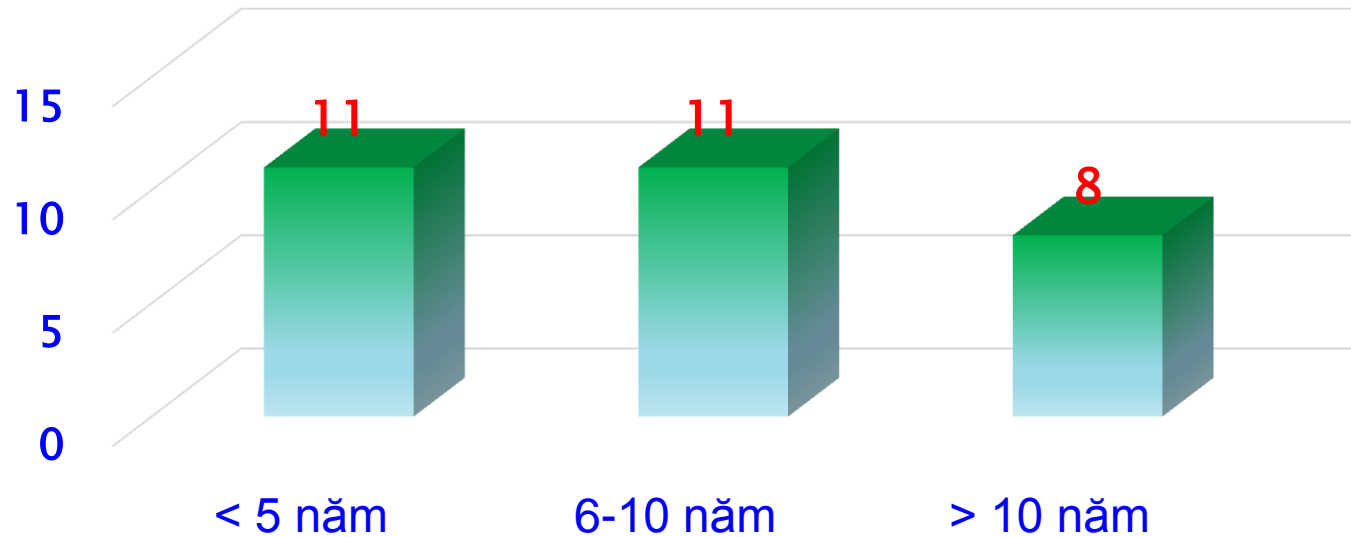
Tuổi người nhờ mang thai hộ



Tuổi trung bình: $33,47 \pm 4,3$ tuổi

RESULTS

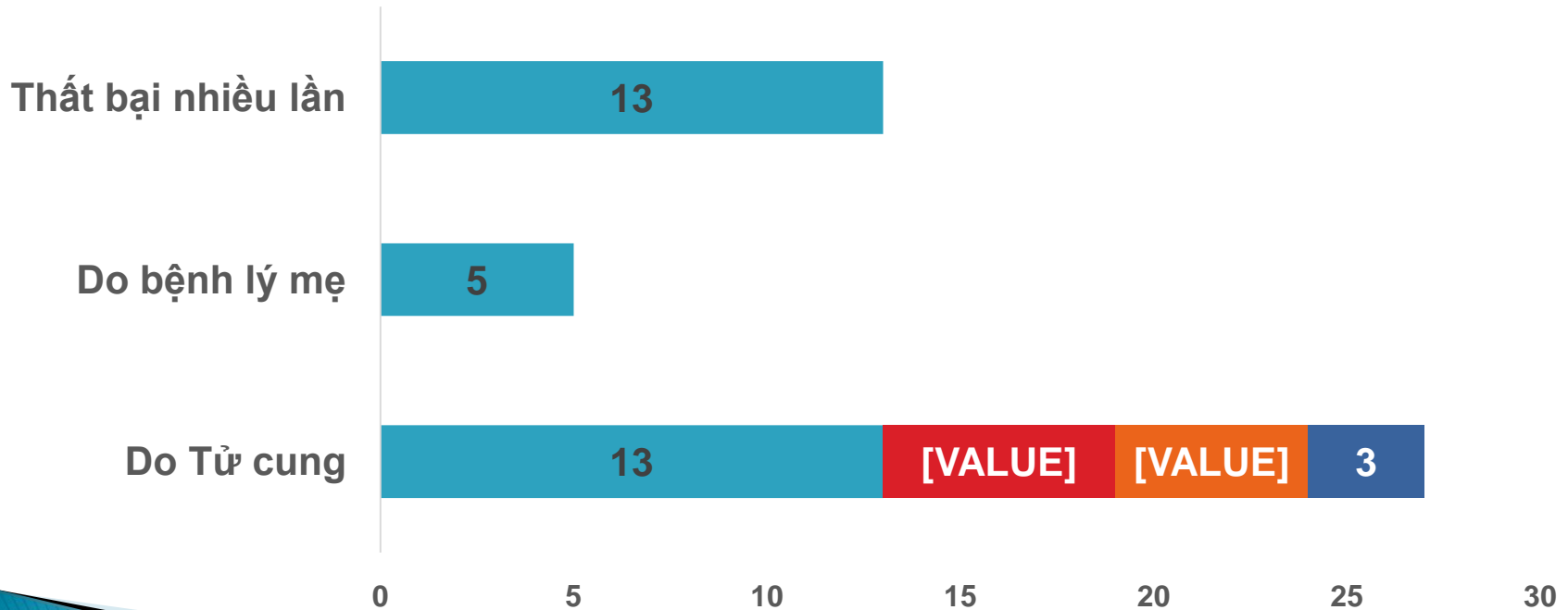
Thời gian vô sinh



Thời gian vô sinh trung bình: $6,93 \pm 4,3$ năm

RESULTS

Indications of surrogacy



RESULTS

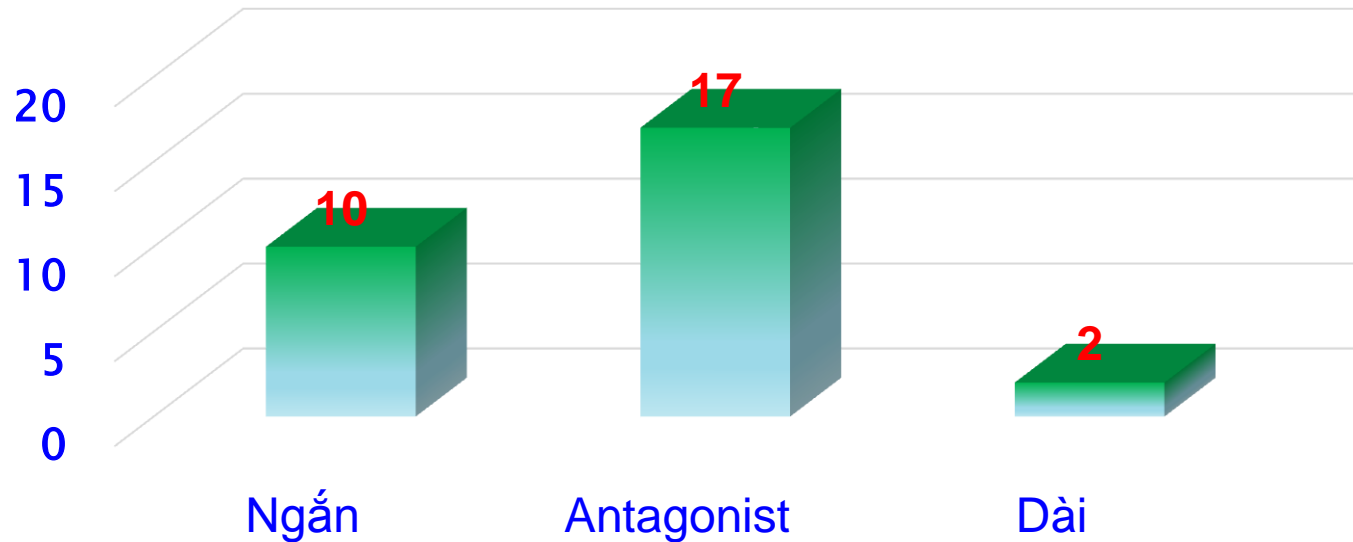
Dự trữ buồng trứng người nhò mang thai

Index	Giá trị
FSH	$5,77 \pm 2,4$
AMH	$5,0 \pm 3,7$
AFC	$9,0 \pm 6,1$

Dự trữ buồng trứng bình thường

RESULTS

Ovarian Stimulation protocols



Đa số phác đồ ngắn và antagonist

RESULTS

Ovulation stimulation results

Index	Giá trị
No of day FSH	9,95 \pm 0,9
Total FSH	2495,47 \pm 1000,7
E2 ngày tiêm hCG	5485,03 \pm 3960
No of oocyte	11,40 \pm 7,4
No of embryo	8,07 \pm 6,2

RESULTS

Chuẩn bị niêm mạc tử cung

Chỉ số	Giá trị
Số ngày dùng estrogen	16,98 \pm 1,5
Độ dày niêm mạc TC	8,96 \pm 1,5

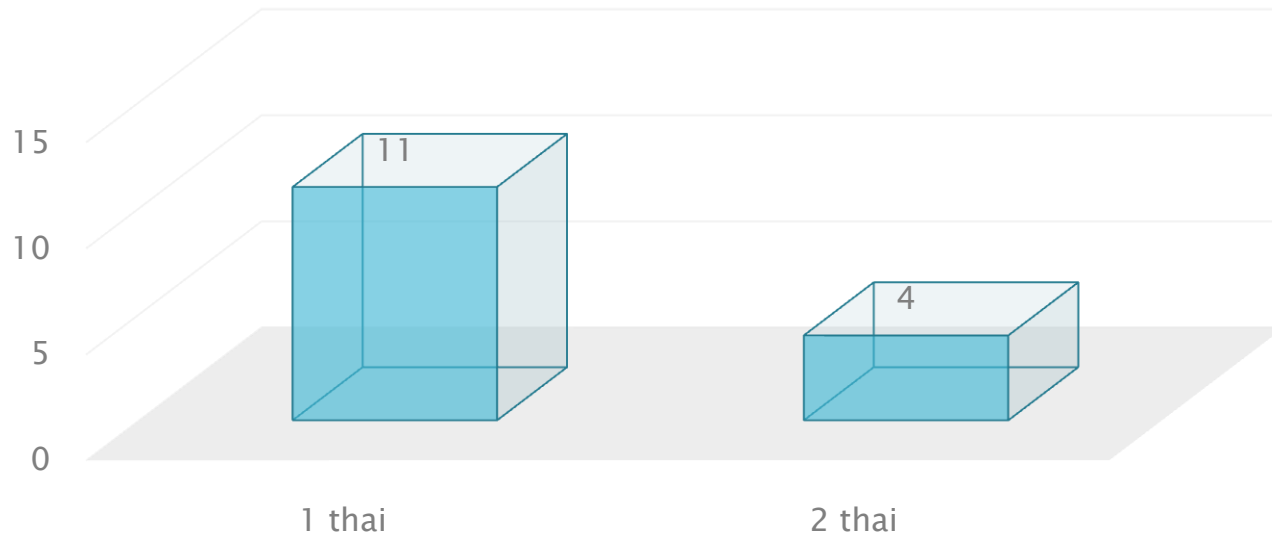
RESULTS

Kết quả IVF

Index	Giá trị
No of Embryo transfer	3,11 \pm 1,0
Tỷ lệ có phôi trữ lạnh	20/45 (44,4%)
Clinical Pregnancy	23/45 (51,1%)
Biochemical pregnancy	2/45 (4,4%)

RESULTS

Number of embryo



RESULTS

Related causes and pregnancy rate

	No Preg	Pregnancy	Total
Rokitanski	5 (38,5%)	8 (61,5%)	13
Adhesive uterus	1 (16,7%)	5 (83,3%)	6
Hysterectomy	3 (60%)	2 (40%)	5
Small uterus	2 (66,7%)	1 (33,3%)	3
Mother disease	2 (40%)	3 (60%)	5
Repeated ivf faillure	9 (69,2%)	4 (30,8%)	13

CONCLUSION

1. Main surrogacy indications were uterin problem
No uterus: 28,8%, adhesive uterus: 13,3%,
hysterectomy: 11,2%, small uterus: 6,7%; mother
disease: 11,2% & repeated IVF failllure: 28,8%.
2. Clinical pregnancy rate was 51,1%
 - No uterus, adhesive uterus, mother disease: hight pregnancy rate.
 - Hysterectomy, small uterus and repeated IVF failure: low pregnancy rate.

**THANK YOU FOR YOUR
ATTENTION!**

