







Hope lives here...

UHD 1HD/K/ 22665, 22666

# IHR

INSTITUTE OF HUMAN REPRODUCTION

W/O MR. FADHAN SHAHIL

The leading Institute of India  
For Treatment Of  
**INFERTILITY &  
ADVANCED LAPAROSCOPY SURGERY**



IHR KOLKATA



IHR GUWAHATI



IHR SILIGURI

Name of Patient MRS. TANIA ZAMAN  
Name of Consultant DR. ANANNYA CHAKRABORTY



## INSTITUTE OF HUMAN REPRODUCTION

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Date: 29/03/24

## PATIENT SUMMARY

Mrs. Tania Zaman 45 yrs  
 W/o Mr. Fatham Shabal 43 yrs

### Relevant History

Second marriage of Both couples  
HTN. Myomectomy was done on 2023 (June)

MF: 4 yrs  
 1st 4 yrs  
 BMI 26 kg/m<sup>2</sup>  
 P A M E L  
 1 0 1 0 1

LMP 05/3/24

USG (27/3/24) on D 22 of menses

ET: 9.8 mm; Ut Size: 97x59x66 mm

RO Vol: 12 cc; AFC: 01 Cystic tubular structure in isthmus (23x11)mm

LO Vol: 05 cc; AFC: 01; Cyst:

Others: Bulk uterus + multiple fibroid.

2x4 | 4x5 days  
 Moderate | Nil

→ close to Rt ovary - ? Dilated Fallopian tube.  
 Echo - normal.  
 Chentx Ray - normal

HSG ( / / ) Ut. Cavity:

Rt Tube

Lt Tube

BLOOD INVT ( <u>27/3/24</u> )		HUSBAND'S INVESTIGATIONS	
BlGrp: <u>O-ve</u>		<u>Semen Analysis</u>	BlGrp: <u>O+ve</u>
S. Pri: <u>25.83</u> ng/ml		( <u>27/3/24</u> )	S. Pri: _____ ng/ml
S. TSH: <u>2.06</u> uIU/mL		Volume: <u>0.5</u> ml	S. TSH: _____ uIU/mL
ABG: <u>151</u> mg/dl <u>HbA1c</u>	<u>6.9%</u>	Spillage: <u>Y/N</u>	RBS: _____ mg/dl
S. AMH: <u>0.18</u> ng/ml		Sperm conc: <u>Nil</u> mil/ml	<b>HPLC</b>
S. Fr: _____ ng/ml		ASY: <u>Nil</u> mil/ ejac	HbA2: <u>1.9%</u> ; HbF: <u>0.2%</u> ; <u>HbE: 21.7%</u>
Hb%: <u>12.40</u> g/dl <u>HbE: 22.1%</u>		Prog. Motility: <u>Nil</u> %	Imp: <u>HbE Trait</u>
HPLC: HbA <sub>2</sub> : <u>2.9%</u> ; HbF: <u>0.2%</u>		Normal Morph: <u>Nil</u> %	Karyotype: _____
Imp: <u>S/O: HbE Trait.</u>		Imp: _____	Others: _____
Karyotype: _____		<u>Azoospermia</u>	
Others: <u>APTT - 28.06</u>			
<u>APTT - 24.06</u>			

Date	Test	Wife	Husband
<u>27/3/24</u>	HbSAg	<u>NR</u>	<u>NR</u>
<u>29/3/24</u>	HIV I & II	<u>NR</u>	<u>NR</u>
<u>29/3/24</u>	HCV	<u>NR</u>	<u>NR</u>
<u>29/3/24</u>	VDRL	<u>NR</u>	<u>NR</u>

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124. Reports reviewed.

Discussion points :-

Conflicting reports of Semen Analysis discussed.  
husband admits inability to give sample properly.  
Advised to repeat Semen Analysis & inform report.

Advanced age of wife & low ovarian reserve explained & implications on fertility, ART success, increased risk of miscarriage or anomalous baby explained. Options of ART-A or Oocyte Donation discussed.

→ USG s/o Dilated Fallopian tube; impact of hydrosalpinx on ART success & pregnancy outcome discussed. Advised further tubal assessment by HSG - if hydrosalpinx ⊕, Laparoscopic Salpingectomy is advisable before IVF. Risk of further reduction in ovarian reserve after laparoscopy explained.

→ Mode of inheritance of HbE trait & disease discussed in detail.

As Options :-

- HSG of wife for Tubal evaluation ± laparoscopy as per report
- Repeat Semen Analysis & inform

IVF/ET (w/o)

[± PGTA & FET]

Chance of absent/all abnormal blastocyst explained.

Cost factor & success rates explained in their own understandable language i.e. Bengali.

Couple will inform decision at a later date.

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Dr. [Signature]

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## IHR



**Dr. M. L. Goenka**  
 MBBS, DGO, FRCOG, FRS, MA'S, FRSH  
 Infertility & IVF Specialist  
 Laparoscopic Surgeon  
 Reproductive Endocrinologist

**Dr. Anannya Chakraborty**  
 MBBS, MS (OBG), DNB (OBG)  
 Consulting Infertility &  
 IVF Specialist

Case No. : IHR/K/22665, 22666

Date : 26/03/2024

Name : Mrs. Tania Rahman  
 Husband's Name : Mr. Farhan Sheikh Age : 45 Occ : Service  
 Address for Communication : H/44, D/1/1 East Guptipara Durgpur Age : 43 Occ : Service  
Bangladesh  
 Phone : +880197246350/+8801739926918 E-mail : farhansheikh@gmail.com  
 Language for Communication : Assamese / Hindi / English / Bengali / Others : \_\_\_\_\_

Referred by Dr. : \_\_\_\_\_ Internet / News Paper / Hoarding / Friend / \_\_\_\_\_  
 Married : 10 Years 4 Months Duration of Infertility : \_\_\_\_\_ Years \_\_\_\_\_ Months  
 Infertility : Primary /  Secondary Second Marriage of Both couple. W: 2 line issue (23 yrs old)

**MENSTRUAL HISTORY** Boy (13 yrs old) from 1st marriage. H: 2 line issues from 1st marriage.  
 Menarche : Age : 13 yrs old Past M. Cycles : \_\_\_\_\_  
 Present M. cycle : 28 ± 4 days. DMI: 4 to 5 days Since : \_\_\_\_\_  
 LMP : 05/3/24 Flow : Scanty / Moderate / Excess Dysmenorrhoea : Mil / Mild / Moderate / Severe

**OBSTETRIC HISTORY** : Parity : 1 Abortion : 0 MTP : 1 Living : 1 Ectopic : 0

Date of Birth	<u>2000</u> → <u>NC</u> → <u>UPT+ve</u> → <u>Full term pregnancy</u> → <u>V/D done (1st marriage)</u>
Complication	
Duration of Pregnancy	<u>Husband</u> → <u>2 line issues from 1st marriage</u>
Nature of Delivery	<u>(14 yrs old &amp; 6 yrs old Boys)</u>
Complication of Labour	
Baby's Sex & Wt.	<u>Inj ANTIBIOTIC taken by wife on first delivery.</u>
Present Health	
Others	

**SEXUAL HISTORY** \* Skin Allergic  
 Knowledge & Use of the Fertility Period :  YES /  NO Stab time/month Reactive Occ.  
 Frequency of Vaginal Intercourse / Month :  Adequate /  Inadequate Couple staying separately since to this job  
 Dysperrunia :  Yes /  No  Superficial /  Deep Since 2 yrs.

**MEDICAL HISTORY** :  NOTHING SIGNIFICANT :  TUBERCULOSIS :  DIABETES :  HYPERTENSION :  THYROID  
Dengue - 2022. ↳ J.R. 18 OD. Since 2 yrs.

**GALACTORRHOEA** :  PRESENT /  ABSENT  
**SURGICAL HISTORY** :  NOTHING SIGNIFICANT :  APPENDECTOMY :  GYNAECOLOGICAL :  I.S.G.S.  
\* Myomectomy was done on 2003 (June). ? Pelvic surgery (open) in the past - NO documents available

**FAMILY HISTORY** :  NOTHING SIGNIFICANT :  DIABETES :  HYPERTENSION :  INFERTILITY :  OTHERS  
Father - CA Liver (Dead), Mother - DM.

Your Exclusive helpline \_\_\_\_\_ (Name of Sister)

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Date: 26/03/24

Wife Name: Mrs. TANIA ZAMAN Age: 45 yrs  
 Husband Name: Mr. FARHAN SHAHIL Age: 43 yrs

The following investigations are suggested:

### FOR WIFE

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Blood for Hb%, Platelet</li> <li><input checked="" type="checkbox"/> Blood for CBC with ESR</li> <li><input checked="" type="checkbox"/> Blood for ABO / Rh</li> <li><input checked="" type="checkbox"/> Blood for Hb Electrophoresis (HPLC)</li> <li><input checked="" type="checkbox"/> Blood for HbA1C (HPLC)</li> <li><input checked="" type="checkbox"/> Blood for BT, CT, PT-INR, APTT</li> <li><input type="checkbox"/> Blood for Glucose Fasting / Random / Post Prandial</li> <li><input type="checkbox"/> Blood for GTT (75 gm glucose)</li> <li><input checked="" type="checkbox"/> Blood for Serology - HBsAg, HIV, 1&amp;2, HCV VDRL</li> <li><input checked="" type="checkbox"/> Blood for Urea, Creatinine, LFT, Electrolytes Panel</li> <li><input checked="" type="checkbox"/> Blood for AMH, PRL, TSH, FT4, TSH</li> <li><input type="checkbox"/> Blood for T3, T4, TSH / F-T4 &amp; TSH</li> <li><input type="checkbox"/> Blood for Estradiol (E2), Progesterone (PRG)</li> <li><input type="checkbox"/> Blood for b-hCG &amp; Progesterone (PRG)</li> <li><input type="checkbox"/> Blood for Rubella IgG, Vitamin D3, Vitamin B12</li> <li><input type="checkbox"/> Blood for Karyotyping</li> <li><input type="checkbox"/> Blood for CA-125, CA-19.9, CEA, AFP, HEA</li> <li><input type="checkbox"/> Blood for Inhibin-A &amp; Inhibin-B</li> <li><input type="checkbox"/> Blood for Anti Cardiolipin Ab IgG, IgM</li> <li><input type="checkbox"/> Blood for Anti Phospholipid Ab IgG, IgM</li> <li><input type="checkbox"/> Blood for Homocystin, Lupus Anticoagulant</li> <li><input type="checkbox"/> Blood for b2 Glycoprotein I IgG, IgM</li> <li><input type="checkbox"/> Mantoux Test (10 TU)</li> <li><input type="checkbox"/> Blood for TB-Gold (Gamma Interferon)</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Urine Routine &amp; C/S</li> <li><input checked="" type="checkbox"/> ECG, Echo Cardiography</li> <li><input type="checkbox"/> Karyotyping - Aborted Tissue</li> <li><input checked="" type="checkbox"/> Ultrasonography - TVS (2D/3D)</li> <li><input type="checkbox"/> Ultrasonography - Pregnancy</li> <li><input type="checkbox"/> Ultrasonography - Upper Abdomen</li> <li><input type="checkbox"/> Ultrasonography - Pregnancy with foetal doppler</li> <li><input type="checkbox"/> Ultrasonography - FTS (Blood &amp; NT Scan)</li> <li><input type="checkbox"/> Ultrasonography - Quadruple Marker (Blood &amp; NT Scan)</li> <li><input type="checkbox"/> Ultrasonography - Foetal Anomaly Scan (18-20 wks)</li> <li><input type="checkbox"/> Pap Smear (LBC)</li> <li><input checked="" type="checkbox"/> X-Ray Chest PA view</li> <li><input type="checkbox"/> HSG (Between 5th &amp; 10 days or Negative b-hCG)</li> <li><input type="checkbox"/> Laparoscopy, Hysteroscopy &amp; Chromopertubation</li> <li><input type="checkbox"/> Hysteroscopy &amp; Trial - ET</li> <li><input type="checkbox"/> Platelet - Rich Plasma (PRP)</li> <li><input type="checkbox"/> MRI - Lower Abdomen Pelvis</li> <li><input type="checkbox"/> Vaginal Swab for C/S</li> <li><input type="checkbox"/> HPV - DNA PCR</li> </ul> |
|---|---|

### FOR HUSBAND

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Blood for Hb%, Platelet</li> <li><input type="checkbox"/> Blood for CBC with ESR</li> <li><input checked="" type="checkbox"/> Blood for ABO / Rh</li> <li><input checked="" type="checkbox"/> Blood for Hb Electrophoresis (HPLC)</li> <li><input type="checkbox"/> Blood for HbA1C (HPLC)</li> <li><input type="checkbox"/> Blood for BT, CT, PT-INR, APTT</li> <li><input type="checkbox"/> Blood for Glucose Fasting / Random / Post Prandial</li> <li><input type="checkbox"/> Blood for GTT (75 gm glucose)</li> <li><input checked="" type="checkbox"/> Blood for Serology - HBsAg, HIV, 1&amp;2, HCV VDRL</li> <li><input type="checkbox"/> Blood for Urea, Creatinine, LFT, Electrolytes Panel</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> Blood for PRL, TSH, LH, FSH, Testosterone</li> <li><input type="checkbox"/> Blood for T3, T4, TSH / F-T4 &amp; TSH</li> <li><input type="checkbox"/> Blood for Karyotyping</li> <li><input type="checkbox"/> Mantoux Test (10 TU)</li> <li><input type="checkbox"/> Blood for TB-Gold (Gamma Interferon)</li> <li><input type="checkbox"/> Y-Chromosome Microdeletions</li> <li><input type="checkbox"/> Ultrasonography - Tests (Scrotum), TRUS</li> <li><input checked="" type="checkbox"/> Semen Analysis (Routine - WHO) <i>After 3-5 days abstinence</i></li> <li><input type="checkbox"/> Semen DNA Fragmentation</li> </ul> |
|---|--|

*Anam*  
DOCTOR

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BMI - 26.22 kg/m<sup>2</sup>

■ PHYSICAL EXAMINATION

Height 150 Feet..... Inches  
 Normal Weight for Height Yes/No  
 Weight 59 Kg  
 B.P. 130/80  
 General Physical Examination : WNL  
 Hair Distribution : WNL  
 Breast Development : WNL

■ SYSTEMIC EXAMINATION

Respiratory System : NAD  
 Cardio - Vascular System :  
 Per Abdomen : Suprapubic transverse tend

■ PELVIC EXAMINATION

External Genitalia : Normal / Abnormal  
 Hymen : Intact  
 Cervix : Normal / Erosion / Torn / Hypertrophied / Growth / Ulcer  
 Uterus : AV-UF / RV, RF. / Mid Position / Deviated / Left / Right  
 Size : Normal / Small / <sup>(2)</sup> Enlarged / Knobby / Irregular / Pregnant  
 Mobility : Free / <sup>(2)</sup> Restricted / Fixed  
 Tenderness : Nil / Movement of Cervix / Touching or Moving Uterus  
 Femices : Clear / Parametrial Thickening / Tenderness / Tenderness with mass / T. O. Mass / Ovarian Cyst.

PROVISIONAL DIAGNOSIS : .....

■ INVESTIGATION :

BLOOD TEST :

Date	Place of Investigation	HB gm%	HIV	HbsAg	VDRL	ABO	Rh	RBS mg/dl	TSH uU/ml	PRL ng/ml	FSH mIU/ml
<u>23/5/23</u>	<u>Rangpur</u>	<u>11.5 g/dl</u>							<u>1.52</u>		
<u>14/7/23</u>											

■ TBPCR/TB GOLD

: Date : ..... Place : .....  
 Result : .....

■ CHROMOSOMAL STUDY

: Date : ..... Place : .....