CASE DISCUSSION



พญ.โชติกา ทับเจริญ

อนุสาขาเวชศาสตร์การเจริญพันธุ์

รพ.มหาราชนครศรีธรรมราช

CASE STUDY

Patient profile : ผู้ป่วยหญิงไทย อายุ 18 ปี นักศึกษา ส่งตัวจากรพ.ร่อนพิบูลย์

Chief complaint : ไม่เคยมีประจำเดือน



Present illness :

ยังไม่เคยมีประจำเดือน

ไม่มีอาการปวดท้องเรื้อรัง

ไม่มีอาการน้ำนมไหล

ไม่มีอาการขนดก สิวขึ้นง่าย เสียงห้าว

ไม่มี ใจสั่น น้ำหนัก ขึ้นลง เร็ว

ไม่มีอาการปวดหัว มาพร่ามัว

CASE STUDY

Past illness :

- No underlying disease

Personal history

- No medical history
- No medical and food allergy history
- No history surgery
- High vocational certificate



CASE STUDY

Gynecological history

- Thelarche 15 year old
- Pubarche 15 year old
- Never SI

Family history

- Mother ‘ s age at menarche 17
- Father ‘ s height 175 cm.
- Mother ‘ s height 165 cm.



PHYSICAL EXAMINATION

Vital signs:

BT 36.7 C PR 79 bpm RR 20/min BP 108/64 mmHg

BW 55 kg Ht 141 cm BMI 27.67 kg/m2

General appearance : a Thai female, good consciousness

HEENT

Eyes : No ptosis ,not pale conjunctiva, no anicteric sclera both eyes ,

No exopthalmos

Ears : normal pinna, normal position



PHYSICAL EXAMINATION



Neck : N**o web neck**

No thyroid gland enlargement

No palpable lymph node

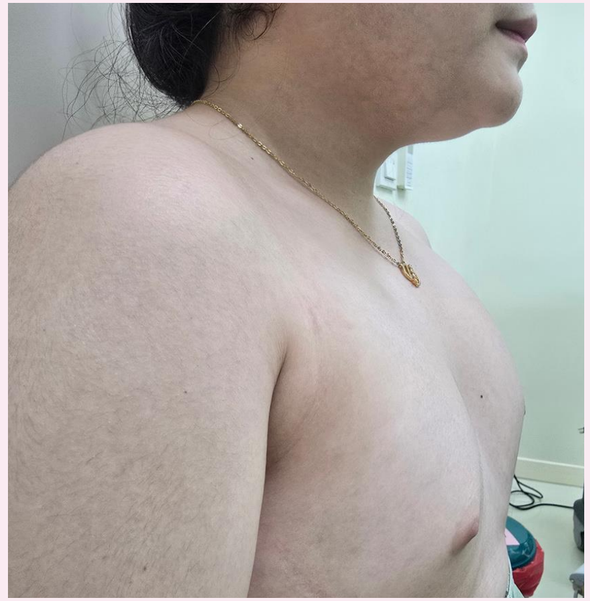
SKIN

Dark, fine to coarse hair growth on skin of the upper lip area

No acne



PHYSICAL EXAMINATION



Breast Tanner stage 2

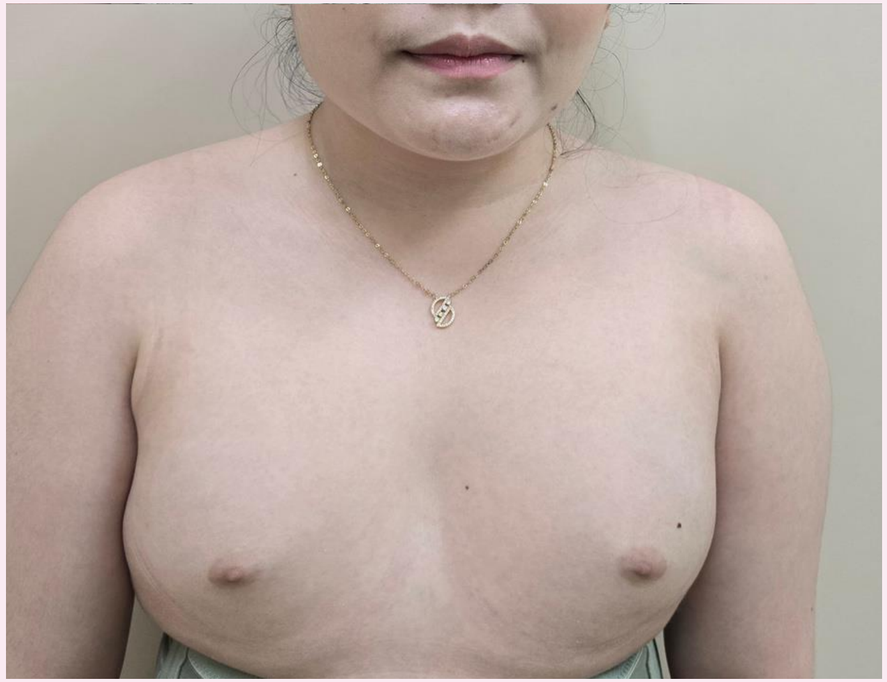
Axillary hair : no hair

Chest : No abnormal hair growth pattern at chest wall area

Abdominal : No abnormal hair growth pattern

at upper and lower abdominal wall area





PHYSICAL EXAMINATION

Cardiovascular system

No clubbing fingers, no peripheral cyanosis, no central cyanosis,

Normal S1 S2, no murmur, no heave, no thrill.

Respiratory system

Normal chest contour, symmetrical chest excursion

Normal breath sounds equal both lungs

PHYSICAL EXAMINATION

Abdomen :
no abdominal mass

liver and spleen can not palpable

Genitourinary system

normal external female genitalia

no clitoromegaly

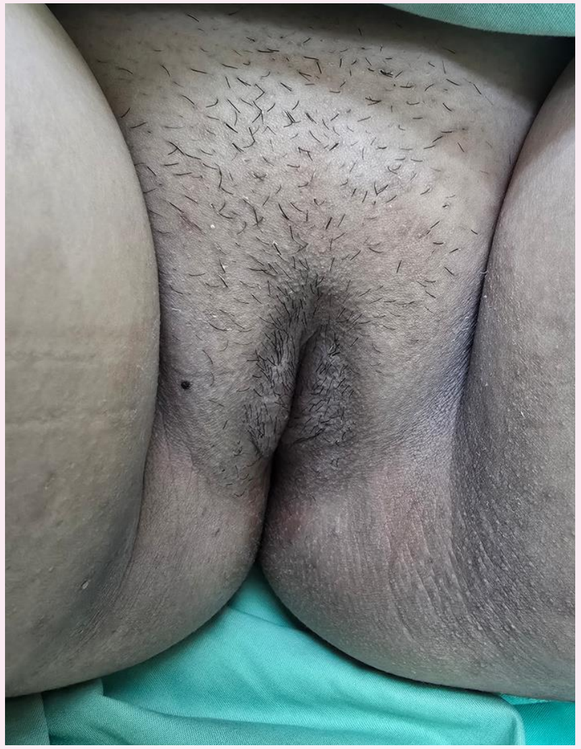
pubic hair tanner stage 2

normal vaginal orifice

small cervix

can’t palpated mass at inguinal area





INVESTIGATION

TRANRECTAL ULTRASONOGRAPHY

Uterus size 2.3 x 1.3 cm

Cannot identified both ovaries

INVESTIGATION

HEMATOLOGY

	26/12/2568 10:56
Hb	12.60
Hct	38.4
WBC	8.3
RBC	4.51
MCV	85.1
MCH	27.9
MCHC	32.8
RDW	12.8
Platelet Count	273
Estimated platel	Adequate
Neutrophil	53
Lymphocyte	33
Monocyte	5
Eosinophil	9
RBC Morphology	Normal

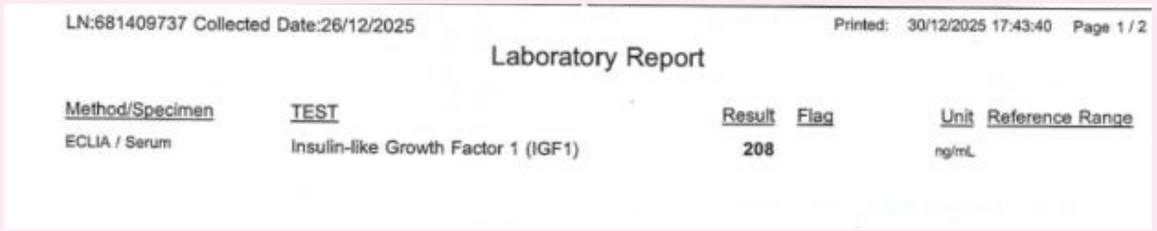
CHEMISTRY

	26/12/2568 14:24	26/12/2568 10:56
Fasting Blood Su		81
BUN		11
Creatinine		0.46
eGFR (CKD-EPI)		145
Cholesterol	213	
Triglyceride	97	
HDL-Cholesterol	69	
LDL-Cholesterol	145	
CHOL/HDL Ratio	3	

HORMONES

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Free-T4	1.41
Free-T3	3.34
TSH	3.030
E2	<5.00
Testosterone	0.23
FSH	75.12
LH	25.73
Prolactin	6.86

INVESTIGATION



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Laboratory Report

Method/Specimen	TEST	Result	Flag	Unit	Reference Range
ECLIA / Serum	Insulin-like Growth Factor 1 (IGF1)	208		ng/mL	

IGF-1
208

karyotype : mos45,X[6]/46,XY[25]

INVESTIGATION

MRI whole abdomen

Uterine small size 2.3 x1.8x 1.9 cm

cervix severely small in size

vagina severely small in size

Ovaries : not seen probable severely small in size or atrophic change

No obvious ectopic testis

Normal kidney and ureter

INVESTIGATION

Echocardiography report

Good LV systolic function

No significant VHD

Normal aortic arch

No pericardia effusion

No intracardiac clot

DIAGNOSIS MOSAICISM TURNER

MANAGEMENT

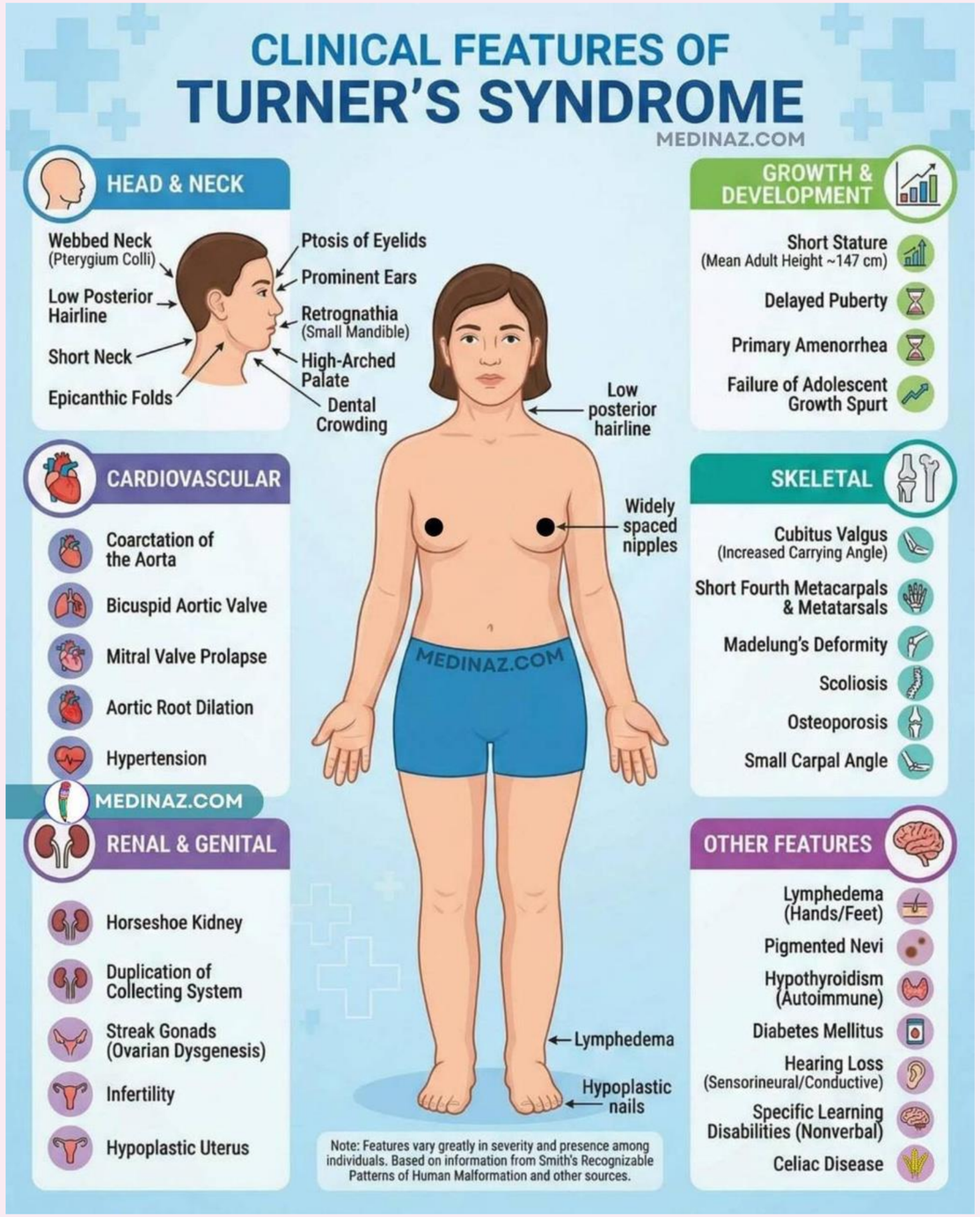
Delayed puberty

Induction pubery

Fertility planning

Prevent gonadoblastoma

Gonadectomy



MANAGEMENT

Medical condision

Evaluated cardiovascular risk

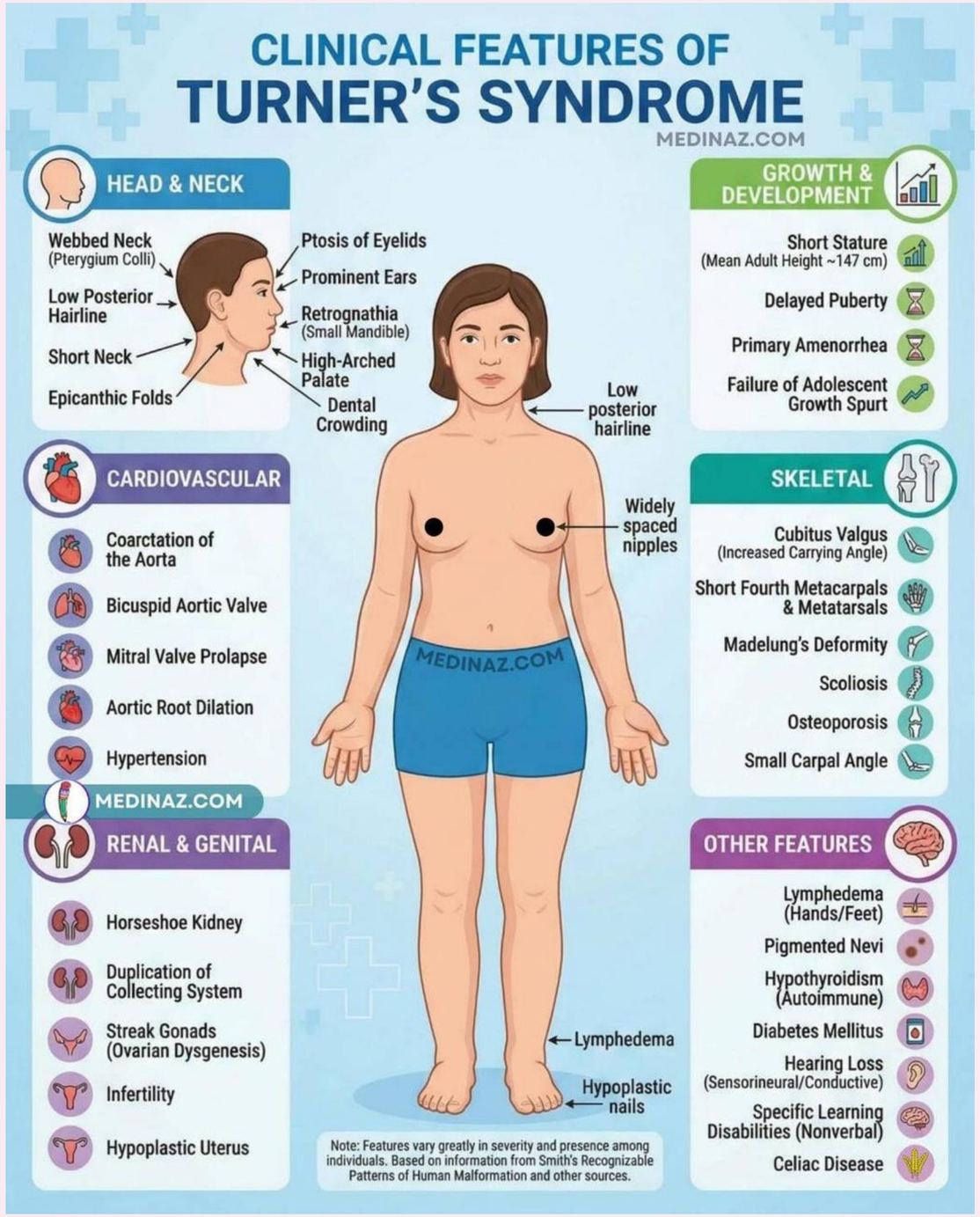
- **Coartation of Aorta**
- **Bicuspid aortic valve**
- **Hypertension**

Evlauted endocrine disorder

- **Hypothyroid**
- **DM**

Evaluted Renal anomaly

- **Horseshoe kidney**



THANK YOU