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Case 20 (July 08 2010): [N Engl J Med. 363\(2\):178-186](#)

1st Presentation:

Demographic: Female, 28 yrs, Not pregnant, North America

Clinical features extracted from the case and entered into the query box:

oligomenorrhea
infertility

Synonyms used by Isabel for the above query:

oligomenorrhea
infertility

STOP !

Before you read further you might want to construct your own:

- Final diagnosis

In the following section you will find:

- The final diagnosis of the case
- Did Isabel suggest the final diagnosis

Final Diagnosis of the case according to NEJM:

- (i) Acromegaly
- (ii) Pituitary adenoma

Was the final diagnosis given by Isabel:

Yes, Acromegaly and pituitary adenoma under pituitary neoplasms in Endocrine

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Tel: +1.703.289.8855

Isabel Differential:

enter clinical features | synonyms

age*

gender female male

pregnancy

Refine search:

travel history:

show me:

diagnoses

causative drugs

bioterrorist agents

Enter clinical features, no negatives, no numbers: ⓘ

+ add a clinical feature

get checklist >

clear search

Isabel is not meant to replace your clinical judgment.

diagnoses

Most Relevant

sort by: most relevant | action: -select-

show: 10 20 30 all

Polycystic Ovarian Syndrome	♀ ? GYNE
Uterine Neoplasms	♀ ? GYNE
Pituitary Neoplasms	○ ENDO
Pituitary Adenoma	
Acromegaly	
Why did this diagnosis come up ? ⓘ	
We matched the terms: oligomenorrhea oligomenorrheic infertility infertile	
Degree of match between query entered and Isabel database (Not clinical probability): 87%	
Endometriosis	♀ ? GYNE
Isolated Deficiency of Gonadotropins	? ENDO
Congenital Adrenal Hyperplasia	? ENDO
Cushing's Syndrome	? ENDO
Hyperthyroidism	? ENDO
Pelvic Inflammatory Disease	♀ ? GYNE
Hashimoto's Thyroiditis	? ENDO

2nd Presentation:

Demographic: Female, 32 yrs, Not pregnant, North America

Clinical features extracted from the case and entered into the query box:

acne
 facial hair growth
 persistent frontal headaches
 nasal discharge
 decreased libido
 hot flashes
 palpitations
 amenorrhea
 floaters in vision
 chronic back pain and stiffness
 weight gain
 snoring
 fatigue
 daytime somnolence
 acanthosis nigricans



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Synonyms used by Isabel for the above query:

acne
facial hair growth
nasal discharge
decreased libido
hot flashes
palpitations
amenorrhea
floaters in vision
weight gain
snoring
fatigue
daytime somnolence
acanthosis nigricans

STOP !

Before you read further you might want to construct your own:

- Complete differential diagnosis
- Final diagnosis

In the following section you will find:

- The differential diagnosis constructed by the MGH panel
- The final diagnosis of the case
- Which of the MGH panel differential diagnoses did Isabel contain
- Did Isabel suggest the final diagnosis

Differential Diagnoses considered by the MGH panel:

Polycystic ovary syndrome

Final Diagnosis of the case according to NEJM:

Acromegaly and Pituitary adenoma

Differential Diagnoses of the case as given by Isabel:

Polycystic ovary syndrome in Gynecology

Was the final diagnosis given by Isabel:

Yes, Acromegaly and Pituitary adenoma under pituitary neoplasms in Endocrine

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Isabel Differential:

enter clinical features | **synonyms**

age*

gender female male

pregnancy

Refine search:

travel history:

show me:

diagnoses

causative drugs

bioterrorist agents

Enter clinical features, no negatives, no numbers:

acne
facial hair growth
persistent frontal headaches
nasal discharge
decreased libido
hot flashes
palpitations
amenorrhea
floaters in vision
chronic back pain and stiffness
weight gain
snoring
fatigue

diagnoses

Most Relevant

sort by: most relevant | action: -select-

show: 10 20 all

Polycystic Ovarian Syndrome	♀	? GYNE
<input type="checkbox"/> Pituitary Neoplasms		<input type="radio"/> ENDO
<p>Why did this diagnosis come up ?</p> <p>We matched the terms: hirsutism hirsute hirsutes hirsuties decreased libido decreased sexual interest hot flashes hot flash amenorrhea amenorrhic fatigue frontal headach headaches pain</p> <p>Degree of match between query entered and Isabel database (Not clinical probability): 56%</p>		
<input type="checkbox"/> Renal Failure		? NEPHRO
Lyme Disease		? INFEC
Sinusitis		? RESP
<input type="checkbox"/> Sleep Apnea		? RESP
Hirsutism	♀	? GYNE
Hyperthyroidism		? ENDO
HAIRAN Syndrome	♀	? GYNE
Cushing's Syndrome		? ENDO