Andrology

Case 1

Parameter	Value
Testosterone	7.4nmol/L
Luteinising hormone (LH)	16.0IU/L
Follicle-stimulating hormone (FSH)	22.0IU/L

- What is the diagnosis based on the blood test, and how is the diagnosis made?
- 2. What additional blood tests are required?
- 3. What are the clinical manifestations of this?
- 4. What are the options / modes of delivery for treatment?
- 5. Who is contraindicated for treatment?
- 6. What tests are required prior to starting, and how often should they be monitored?

Case 2

- Who is this image of? What disease of the male organ did they describe?
- 2. What is the progression of this disease?
- 3. What are the key points in the history to aid management choices?



- 4. Clinical assessment, diagnosis and investigations?
- 5. What is the pathogenesis of this disease?
- 6. What treatment options are there?
- 7. What surgical options are available?

dysfunction or residual curvature.

evidence so far) but require extensive time applied.

Must be stable for three to six months before being considered and the patient should be counselled appropriately. There are three main types of surgical options for Peyronie's: if the penile angulation is appropriately. There are three main types of surgical options for Peyronie's: if the penile angulation is consider plication (tunical shortening procedure such as Nebit's, Yachia, or pure plications); if >60° a tunical lengthening technique using a graft (e.g. such as Nebit's, Yachia, or pure plications); if >60° a tunical lengthening technique using a graft (e.g. such as Nebit's, an option; consider a penile prosthesis implant if there is severe wasting, erectile

Most drugs taken orally (e.g. phosphodiesterase-5 inhibitors such as tadalafil or non-steroidal anti-Most drugs taken orally (e.g. phosphodiesterase-5 inhibitors such as tadalafil or non-steroidal antirandomised controlled studies or have not been confirmed to be effective in placebo-controlled trials. Intralesion injections with collagenase and interferon asb are supported by stronger evidence and are recommended in the European Association of Urology 2020 guidelines for men with stable disease, curvatures >30°, and seeking a non-surgical solution. Extracorporeal shock wave lithotripsy (ESWL) is another option currently being investigated. Traction devices show promise (even though there is limited another option currently being investigated. Traction devices show promise (even though there is limited

patient.
Precise cause unknown, but likely to be due to repeated micro-traumas to the tunica albuginea with abnormal wound healing. Transforming growth factor beta 1 (TGF-β) has been identified as a key growth

penetrative intercourse, adequacy of penile length.

Examination of the organ for palpable plaque, photographs of the erect penis at three different angles. If unable to achieve erection artificial erection can be done to plan surgery in order to fully counsel the

To establish if in active or stable phase, presence of concurrent erectile dysfunction, ability to have

- 2. 40% worsen, 47% stabilise and 13% improve.
- François Gigot de la Peyronie. He described Peyronie's disease.

Acknowledgement

Photo Credit: François Gigot de La Peyronie. Stipple engraving by Forestier after H. Rigaud. Credit: Wellcome Collection. Attribution 4.0 International (CC BY 4.0)

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case 2

. Assess and monitor treatment response at three months, six months and then yearly. Aim is T levels 15-33nmol/L. Monitor PSA, Hct (<0.54), liver and renal function.

- Mot to be started <3/12 of a cardiac event
 - Severe chronic heart failure (New York Heart Association class IV)
 - Severe lower urinary tract symptoms
 - Male infertility / desire to have children
 Haematocrit (Hct) >50%
 - Obstructive sleep apnoea
 Male infertility / desire to have childr
 - Male breast cancer
- Untreated prostate cancer: investigate an elevated serum prostate specific antigen (PSA)
 - 5. Contraindications:
 - 4. Oral, injectable, and topical gel testosterone formulations.
 - Low mood, erectile dysfunction / low libido, weight gain, decreased muscle mass.
- 8-i2nmol/l if they are symptomatic. Only treat if have combined low levels and are symptomatic.

 Perform LH and FSH levels in conjunction with serum T levels, and add Prolactin levels if low serum T levels are detected. This will differentiate between primary and secondary forms of hypogonadism.
- 1. Low testosterone (T). T level lower than 8nmol/L based on two separate fasting blood levels obtained between 7am and 11am usually requires T therapy. Consider treatment when serum T levels are between

Case 1

Andrology: answers



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