



## COLOUR DUPLEX ULTRASONOGRAM REPORT

Ref. No	D 078552	Date	10.12.2020
Name of the Patient	Mr. Tanvir Hasib	M	37 Yrs
Referred By	Prof. (Dr.) M. Fakhru Islam. MBBS, PhD.		
Examination	Colour Duplex Study of Penile vessels		

*Thank you for the courtesy of this kind referral*

**Clinical history:** Erectile dysfunction & Premature ejaculation.

**B-Mode:**

- o Penis appears to be normal in size.
- o Both corpus cavernosum muscles appear symmetrically uniform.
- o No calcification within the muscles.
- o Corpus spongiosum appears uniform & urethral lining appears to be smooth.
- o Both deep penile arterial wall appears to be smooth & normal in diameter.

**Colour Doppler:**

- Well filling of both deep penile arteries (DPA) & normal flow velocity in both DPA at the basal state.
- **After 60 minutes** of ingestion of **Tadalafil Citrate 20 mg (Tab Intimate)**, both deep penile arteries appear to be well filled and mildly increased flow velocity in the both deep penile arteries & mild morphological change of the penile shaft as well, however not becoming strong at all.
- Normal flow in the dorsal veins, no evidence of venous leakage.

*Spectral analysis has been depicted in the following table:*

Spectral analysis	Peak Systolic Velocity (cm/sec)	EDV (cm/sec)
Right deep penile artery (basal state)	11.2	1.87
Right deep penile artery (after taking Intimate)	17.5	1.87
Left deep penile artery (basal state)	10.5	0.8
Left deep penile artery (after taking Intimate)	28	1.33

**Normal range of PSV of deep penile artery in non erect penis: 5-20 cm/sec.**

**Grading of vascular flow after pharmacological augmentation: Normal: > 40 cm/sec;**

**Mild to moderate impairment: <35 cm/sec; Severe impairment: <7 cm sec**

**IMPRESSION:** 1. Suggestive of mild to moderate vasculogenic cause of erectile dysfunction.  
2. Uniform penile muscles & no calcification or fibrosis.  
3. No evidence of venous leakage.  
I/F: Bilateral mild hydrocele.

**PROF (DR) SHANKAR BISWAS**

MBBS, MPhil, PhD, FANMB, JSUM Fellow (Japan)

Specialist in Ultrasound, Nuclear Medicine & Imaging

Specially trained in Colour Duplex, Cardiovascular &

PET-CT imaging (Japan, Singapore, India, Germany & USA)

**Professor**

Institute of Nuclear Medicine & Allied Sciences

Dhaka Medical College Hospital

*Transcribed by: Prome*



## Patient

ID D 078552  
Name MR TANVIR HASIB, 37 Y  
Birth Date  
Gender Male

## Exam

Accession #  
Exam Date 10122020  
Description PENILE DUXPLEX  
Sonographer PROF. SHANKAR BISWAS

