

## COLOUR DUPLEX ULTRASONOGRAM REPORT

Ref. No	D 07855	D 078552		10.12.2020	
Name of the Patient Mr. Tan		Mr. Tanvir Hasib		M	37 Yrs
Referred By	Prof. (	Dr.) M. Fakhrul Islam. MBBS, PhI	Э.		
Examination	Colou	r Duplex Study of Penile vessels	1004		

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.

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

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## Patient

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

Male

## Exam

Accession # Exam Date Description Sonographer

10122020 PENILE DUPLEX PROF. SHANKAR BISWAS















