

**Table S1** Characteristics of included studies

Title	Author	Date
1. Differences in polysomnographic, nocturnal penile tumescence and penile doppler ultrasound findings in men with stuttering priapism and sleep-related painful erections.	Johnson M	2021
2. Rare Disorders of Painful Erection: A Cohort Study of the Investigation and Management of Stuttering Priapism and Sleep-Related Painful Erection.	Johnson MJ	2021
3. Rare disorders of penile erection.	Burnett AL	2020
4. Sleep related painful erection: an algorithm for evaluation and management.	Abdessater M	2019
5. Sleep-related painful erection in a patient with obstructive sleep apnea syndrome.	Zhang J	2019
6. Sleep-Related Painful Erections: A Meta-Analysis on the Pathophysiology and Risks and Benefits of Medical Treatments.	Vreugdenhil S	2018
7. Sleep-Related Painful Erections-A Case Series of 24 Patients Regarding Diagnostics and Treatment Options.	Vreugdenhil S	2017
8. [Diagnosis and management of sleep-related painful erections:A report of 9 cases].	Hu HB	2016
9. Sleep-Related Painful Erections in a Patient With Obstructive Sleep Apnea Syndrome.	Abouda M	2016
10. Epithelioid haemangioma: a rare cause of painful erections and sleep deprivation.	Lucky MA	2014
11. Sleep-related painful erections in an elderly man successfully treated using clonazepam.	Kuhadiya ND	2014
12. Sleep-related painful erections associated with obstructive sleep apnea syndrome.	Ferré A	2012
13. Sleep-related painful erection in a 50-year-old man successfully treated with cinitapride.	Chiner E	2010
14. Sleep-related painful erections.	Karsenty G	2005
15. Painful nocturnal erection.	Calvet U	1999
16. Sleep-related painful erection is associated with neurovascular compression of basal forebrain.	Szücs A	2002
17. [Painful erections related to sleeping].	Menéndez López V	1999
18. Sleep-related painful erections: clinical and polysomnographic features.	Ferini-Strambi L	1996
19. Cardiac autonomic nervous activity in sleep-related painful erections.	Ferini-Strambi L	1996
20. Examination and treatment of sleep-related painful erections--a case report.	Steiger A	1989
21. Painful nocturnal penile erections associated with rapid eye movement sleep.	Matthews BJ	1987