

Aesthetic Medicine and ENT

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Bangabandhu Sheikh Mujib Medical University, Bangladesh

Obststructive sleep Apnoea (OSA) is a chronic disorder characterized by intermittent upper airway collapse which impairs ventilation and disrupts sleep. Approximately 3-7% of adult men & 2-5% of adult women in general population suffers from OSA associated excessive daytime sleepiness. Nearly 22 million Americans are affected by OSA, making it most common disorder. Patients with undiagnosed & untreated OSA are at increased risk for cardiovascular and cardiovascular health consequences and co-morbidities. Suspicion of the disease, investigations & diagnosis of OSA is very essential. Usually OSA observed by bed partners or roommates that the patient having problems of loud snoring sound Apnoea during sleep. Patient's Body mass index, Neck & waist circumference and presence of retrignathia or micrognathia should be taken into account. Mallampati score & Epworth scale of the patient is also important. Adequate physical exam - oral Exam is essential. Muelle maneuver Fibro optic Nasopharyngo Laryngoscopy is important. Pulse Oximetry is screening test. Polysomnography is a gold standard of all investigations from which AHI, RDI, ODI can be assessed. Sleep MRI or dynamic ultrafast MRI is done to detect level of obstructions. Recently Drug Induced Sleep Endoscopy (DISE) is latest method to diagnose OSA detect level of obstructions. Cephalometric methods can also be applied. OSA is associated with substantial economic costs to society including increased medical costs. So early Suspicion, adequate physical Examination, essential investigations should be done to diagnose OSA timely & treat the patient timely to prevent morbidity mortality from OSA.

Md Monjurul Alam has been working as Professor of Otolaryngology & Head - Neck Surgery at Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka, Bangladesh. He obtained FICS from USA. He got advanced training in Micro-ear Surgery, FESS & RhynoPlastic Surgery, Snoring & Sleep Surgery, LASER Surgery, Skull-Base surgery from USA, UK, Australia, India, Singapore, Bangkok, Malaysia & different countries of Europe. He is a pioneer of Endoscopic Ear surgery in Bangladesh. He actively participated in workshop, seminar, conference, Congress in different countries. He has more than 80 articles published in different national & international journals. More than 5 research works have been going on under his supervision in BSMMU.

entdralam@gmail.com

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