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## Pathogenesis of upper airway occlusion during sleep

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1484	Breathing during Sleep. <b>1978</b> , 131-166		1
1483	Familial obstructive sleep apnea. <b>1979</b> , 300, 506-7		2
1482	The effect of mandibular osteotomy in three patients with hypersomnia sleep apnea. <b>1979</b> , 48, 385-92		98
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1479	Sleep Apnoea Syndromes. <b>1979</b> , 313, 25-26		
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1476	Spontaneous neck flexion and airway obstruction during apneic spells in preterm infants. <b>1979</b> , 94, 275-81		120
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1467	Hiccups in infants: characteristics and effects on ventilation. <b>1980</b> , 96, 219-25	45
1466	Laryngeal and diaphragmatic responses to airway occlusion in sleep and wakefulness. <b>1980</b> , 50, 151-64	16
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1449	Arousal responses in near-miss sudden infant death syndrome and in normal infants. <b>1982</b> , 101, 911-7	133
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467	Pathophysiology of Obstructive Sleep Apnea. <b>2012</b> , 263-279		1
466	Genioglossus activity available via non-arousal mechanisms vs. that required for opening the airway in obstructive apnea patients. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 249-58	3.7	56
465	Invited editorial on "Lung volume and upper airway collapsibility: what does it tell us about pathogenic mechanisms?". <i>Journal of Applied Physiology</i> , <b>2012</b> , 113, 689-90	3.7	2
464	A combination appliance for obstructive sleep apnea: the effectiveness of mandibular advancement and tongue retention. <i>Journal of Clinical Sleep Medicine</i> , <b>2012</b> , 8, 265-9	3.1	14
463	Non-positive airway pressure therapy for obstructive sleep apnea. <b>2012</b> , 1, 111-122		1
462	Head-and-neck paragangliomas are associated with sleep-related complaints, especially in the presence of carotid body tumors. <i>Sleep and Breathing</i> , <b>2012</b> , 16, 527-34	3.1	2

461	Polysomnography underestimates altered cardiac autonomic control in patients with obstructive sleep apnea. <b>2012</b> , 23, 45-51		4
460	Emerging therapies for obstructive sleep apnea. <b>2012</b> , 190, 365-71		9
459	Obesity and obstructive sleep apnoea: mechanisms for increased collapsibility of the passive pharyngeal airway. <b>2012</b> , 17, 32-42		129
458	Genioglossus fatigue in obstructive sleep apnea. <b>2012</b> , 183, 59-66		24
457	Mechanisms of sleep-disordered breathing: causes and consequences. <b>2012</b> , 463, 213-30		32
456	Effects of dorsomedial medullary 5-HT <sub>2</sub> receptor antagonism on initial ventilatory airway responses to hypercapnic hypoxia in mice. <b>2013</b> , 230, 547-54		1
455	Upper Airway Physiology in Sleep and Anesthesia. <b>2013</b> , 8, 29-41		2
454	Association between resting jaw muscle electromyographic activity and mandibular advancement splint outcome in patients with obstructive sleep apnea. <b>2013</b> , 144, 357-67		7
453	Assessment of sleep quality by pulse wave amplitude and actigraphy in children with sleep-disordered breathing: evaluation at diagnosis and under non-invasive ventilation. <i>Sleep and Breathing</i> , <b>2013</b> , 17, 827-35	3.1	9
452	Gender and age influence the effects of slow-wave sleep on respiration in patients with obstructive sleep apnea. <i>Sleep and Breathing</i> , <b>2013</b> , 17, 51-6	3.1	24
451	Breathing and brain state: urethane anesthesia as a model for natural sleep. <b>2013</b> , 188, 324-32		41
450	Central and peripheral factors contributing to obstructive sleep apneas. <b>2013</b> , 189, 344-53		60
449	Pathophysiology of Obstructive Sleep Apnea. <b>2013</b> , 313-329		
448	Targeted hypoglossal neurostimulation for obstructive sleep apnoea: a 1-year pilot study. <b>2013</b> , 41, 360-7		89
447	Loss of motoneurons in the ventral compartment of the rat hypoglossal nucleus following early postnatal exposure to alcohol. <b>2013</b> , 52, 87-94		2
446	Circadian dependence of receptors that mediate wake-related excitatory drive to hypoglossal motoneurons. <b>2013</b> , 188, 301-7		12
445	The impact of spinal cord injury on breathing during sleep. <b>2013</b> , 188, 344-54		33
444	Cardiorespiratory coupling in health and disease. <b>2013</b> , 175, 26-37		43

443	The respiratory neuromuscular system in Pompe disease. <b>2013</b> , 189, 241-9		81
442	Respiratory modulation of lingual muscle activity across sleep-wake states in rats. <b>2013</b> , 188, 308-17		10
441	The rhythmic, transverse medullary slice preparation in respiratory neurobiology: contributions and caveats. <b>2013</b> , 186, 236-53		45
440	The Difficult Pediatric Airway. <b>2013</b> , 723-760.e8		4
439	Neuromodulation: purinergic signaling in respiratory control. <b>2013</b> , 3, 331-63		20
438	Quantitative analysis of the excitability of hypoglossal motoneurons during natural sleep in the rat. <b>2013</b> , 212, 56-63		5
437	Antagonism of orexin receptors in the posterior hypothalamus reduces hypoglossal and cardiorespiratory excitation from the perifornical hypothalamus. <i>Journal of Applied Physiology</i> , <b>2013</b> , 114, 119-30	3-7	13
436	Differential effects of targeted tongue exercise and treadmill running on aging tongue muscle structure and contractile properties. <i>Journal of Applied Physiology</i> , <b>2013</b> , 114, 472-81	3-7	31
435	Identification of the mechanism mediating genioglossus muscle suppression in REM sleep. <b>2013</b> , 187, 311-9		105
434	Pathophysiologic mechanisms of cardiovascular disease in obstructive sleep apnea syndrome. <b>2013</b> , 2013, 521087		32
433	The SomnuSeal Oral Mask Is Reasonably Tolerated by Otherwise CPAP Noncompliant Patients with OSA. <b>2013</b> , 2013, 840723		5
432	Dissociation of electromyogram and mechanical response in sleep apnoea during propofol anaesthesia. <b>2013</b> , 41, 74-84		29
431	Proportion of surgical patients with undiagnosed obstructive sleep apnoea. <b>2013</b> , 110, 629-36		182
430	Diagnosis of obstructive sleep apnea by peripheral arterial tonometry: meta-analysis. <b>2013</b> , 139, 1343-50		115
429	Hypoglossal neurostimulation for obstructive sleep apnoea. <b>2013</b> , 41, 257-8		2
428	Airway management in patients with morbid obesity. <i>International Anesthesiology Clinics</i> , <b>2013</b> , 51, 26-40.6		21
427	Effects of genistein and estrogen on the genioglossus in rats exposed to chronic intermittent hypoxia may be HIF-1 $\alpha$ -dependent. <b>2013</b> , 19, 702-11		16
426	CrossTalk proposal: the human upper airway does behave like a Starling resistor during sleep. <i>Journal of Physiology</i> , <b>2013</b> , 591, 2229-32	3-9	20

425	Statistical analysis of tracheal breath sounds during wakefulness for screening obstructive sleep apnea. <b>2013</b> , 2013, 4549-52		3
424	Classification of vibratory patterns of the upper airway during sleep. <b>2013</b> , 2013, 2080-3		2
423	Contribution of arousal from sleep to postevent tachycardia in patients with obstructive sleep apnea. <b>2013</b> , 36, 881-9		16
422	C/EBP homologous binding protein (CHOP) underlies neural injury in sleep apnea model. <b>2013</b> , 36, 481-92		29
421	Novel and emerging nonpositive airway pressure therapies for sleep apnea. <b>2013</b> , 144, 1946-1952		9
420	Obstructive Sleep Apnea Syndrome in Children. <b>2013</b> , 33, 246		4
419	Sleep Apnea Syndrome and the Cardiovascular Diseases. <b>2013</b> , 33, 221		1
418	Physiology and Dynamics of the Pharyngeal Airway. <b>2013</b> , 533-544		
417	The role of neuroimaging in sleep and sleep disorders. 1-7		
416	Respiratory Physiology. <b>2013</b> , 517-524		
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414	Clinical usefulness of watch-PAT for assessing the surgical results of obstructive sleep apnea syndrome. <i>Journal of Clinical Sleep Medicine</i> , <b>2014</b> , 10, 43-7	3.1	11
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409	Development of a computational biomechanical model of the human upper-airway soft-tissues toward simulating obstructive sleep apnea. <b>2014</b> , 27, 182-200		8
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406	Loss of FHL1 induces an age-dependent skeletal muscle myopathy associated with myofibrillar and intermyofibrillar disorganization in mice. <b>2014</b> , 23, 209-25		34
405	Test of the Starling resistor model in the human upper airway during sleep. <i>Journal of Applied Physiology</i> , <b>2014</b> , 117, 1478-85	3.7	20
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402	Sudden infant death syndrome and perinatal risk factors. <b>2014</b> , 9, 217-222		
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390	Effect of chronic intermittent hypoxia on the reflex recruitment of the genioglossus during airway obstruction in the anesthetized rat. <b>2014</b> , 209, 147-68		9

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386	Obstruktive Schlafapnoe und Schnarchen. <b>2014</b> , 7, 115-124		1
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384	The classical Starling resistor model often does not predict inspiratory airflow patterns in the human upper airway. <i>Journal of Applied Physiology</i> , <b>2014</b> , 116, 1105-12	3-7	22
383	Characterizing the phenotypes of obstructive sleep apnea: clinical, sleep, and autonomic features of obstructive sleep apnea with and without hypoxia. <b>2014</b> , 125, 1783-91		27
382	Identification of a pharmacological target for genioglossus reactivation throughout sleep. <b>2014</b> , 37, 41-50		42
381	Short-term potentiation in the control of pharyngeal muscles in obstructive apnea patients. <b>2014</b> , 37, 1833-49		11
380	Electrical stimulation of the hypoglossal nerve: a potential therapy. <i>Journal of Applied Physiology</i> , <b>2014</b> , 116, 337-44	3-7	30
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373	Motor vehicle accidents and obstructive sleep apnea syndrome: A methodology to calculate the related burden of injuries. <b>2015</b> , 12, 320-8		15
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371	Assessment of respiratory effort during sleep: Esophageal pressure versus noninvasive monitoring techniques. <b>2015</b> , 24, 28-36		34
370	Heart Failure and Sleep Apnea. <b>2015</b> , 31, 898-908		58
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368	The role of high loop gain induced by intermittent hypoxia in the pathophysiology of obstructive sleep apnoea. <b>2015</b> , 22, 3-14		34
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366	Mechanisms contributing to the response of upper-airway muscles to changes in airway pressure. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 1221-8	3-7	30
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354	Elektrische Atemwegsstimulation zur Therapie der obstruktiven Schlafapnoe. <b>2016</b> , 13, 376-387		2



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350	Upper Airway Stimulation Therapy. <b>2016</b> , 49, 1425-1431		6
349	Combined Expansion Pharyngoplasty and Anterior Palatoplasty for the Treatment of OSA. <b>2016</b> , 68, 528-533		12
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344	Origins of and implementation concepts for upper airway stimulation therapy for obstructive sleep apnea. <b>2016</b> , 54, 241-9		10
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335	Prenatal cigarette smoke exposure effects on apoptotic and nicotinic acetylcholine receptor expression in the infant mouse brainstem. <b>2016</b> , 53, 53-63	29
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332	Sleep and Stroke. <b>2017</b> , 115-127	
331	Physiology of Arousal in Obstructive Sleep Apnea and Potential Impacts for Sedative Treatment. <b>2017</b> , 196, 814-821	32
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329	Choanal Atresia, Esophageal Atresia, Facial Anomalies, and Dysautonomia. <b>2017</b> , 125-134	
328	AJRCCM: 100-Year Anniversary. Sleep-Disordered Breathing: Still the New Kid on the Block. <b>2017</b> , 195, 1107-1111	
327	Physiological Changes of Sleep. <b>2017</b> , 153-194	5
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324	Control of Ventilation in Health and Disease. <b>2017</b> , 151, 917-929	20
323	Role of the Allergist-Immunologist and Upper Airway Allergy in Sleep-Disordered Breathing. <b>2017</b> , 5, 628-639	10
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309	Control of Breathing in Fetal Life and Onset and Control of Breathing in the Neonate. <b>2017</b> , 737-747.e3		1
308	Epidemiología mundial, latinoamericana y colombiana y mortalidad del síndrome de apnea-hipopnea obstructiva del sueño (SAHOS). <b>2017</b> , 65, 17-20		2
307	Historia del síndrome de apnea-hipopnea obstructiva del sueño (SAHOS). <b>2017</b> , 65, 11-16		2
306	Neurochemical aspects of obstructive sleep apnea syndrome - medullary serotonergic system. <b>2017</b> , 150, 177-182		
305	Respiratory Physiology: Central Neural Control of Respiratory Neurons and Motoneurons During Sleep. <b>2017</b> , 155-166.e5		3
304	Respiratory Physiology. <b>2017</b> , 167-173.e4		3
303	Physiology of Upper and Lower Airways. <b>2017</b> , 174-181.e5		2
302	Anatomy and Physiology of Upper Airway Obstruction. <b>2017</b> , 1076-1087.e5		1
301	Medical and Device Treatment for Obstructive Sleep Apnea. <b>2017</b> , 1138-1153.e6		1
300	Obesity, Respiratory Mechanics and Its Impact on the Work of Breathing, Neural Respiratory Drive, Gas Exchange and the Development of Sleep-Disordered Breathing. <b>2018</b> , 15-25		

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298	Phenotypic approaches to obstructive sleep apnoea - New pathways for targeted therapy. <b>2018</b> , 37, 45-59		179
297	A novel approach for acoustic estimation of neck fluid volume between men and women. <b>2018</b> , 56, 113-123		
296	Effects of respiratory muscle training (RMT) in patients with mild to moderate obstructive sleep apnea (OSA). <i>Sleep and Breathing</i> , <b>2018</b> , 22, 323-328	3.1	5
295	Alteration in upper airway dilator muscle coactivation during sleep: comparison of patients with obstructive sleep apnea and healthy subjects. <i>Journal of Applied Physiology</i> , <b>2018</b> , 124, 421-429	3.7	16
294	Upper airway stimulation therapy and prior airway surgery for obstructive sleep apnea. <b>2018</b> , 128, 1486-1489		14
293	Hypoglossal motoneurons are endogenously activated by serotonin during the active period of circadian cycle. <b>2018</b> , 248, 17-24		4
292	Obstructive Sleep Apnea in Heart Failure: Review of Prevalence, Treatment with Continuous Positive Airway Pressure, and Prognosis. <i>Texas Heart Institute Journal</i> , <b>2018</b> , 45, 151-161	0.8	33
291	The Evolution of Oral Appliance Therapy for Snoring and Sleep Apnea: Where Did We Come From, Where Are We, and Where Are We Going?. <b>2018</b> , 13, 467-487		4
290	Inherent vs. Induced Loop Gain Abnormalities in Obstructive Sleep Apnea. <b>2018</b> , 9, 896		21
289	Predictors of Sleep Apnea in the Canadian Population. <b>2018</b> , 2018, 6349790		8
288	Oral Appliance Therapy and Temporomandibular Disorders. <b>2018</b> , 13, 513-519		6
287	Neurostimulation Treatment of OSA. <b>2018</b> , 154, 1435-1447		26
286	Modulation of Motoneuronal Activity With Sleep-Wake States and Motoneuronal Gene Expression Vary With Circadian Rest-Activity Cycle. <b>2018</b> , 12, 32		3
285	Neuroanatomical Basis of State-Dependent Activity of Upper Airway Muscles. <b>2018</b> , 9, 752		4
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280	The Relationship between Obstructive Sleep Apnea and Alzheimer's Disease. <b>2018</b> , 64, S255-S270		65
279	Leptin and Leptin Resistance in the Pathogenesis of Obstructive Sleep Apnea: A Possible Link to Oxidative Stress and Cardiovascular Complications. <b>2018</b> , 2018, 5137947		47
278	Double Barrel Nasal Trumpets to Prevent Upper Airway Obstruction after Nasal and Non-Nasal Surgery. <b>2018</b> , 2018, 8567516		
277	Obstructive sleep apnea: current perspectives. <b>2018</b> , 10, 21-34		155
276	OSA Endotypes: What Are They and What Are Their Potential Clinical Implications?. <b>2018</b> , 4, 231-242		7
275	The Relationship between Alcohol Drinking Patterns and Sleep Duration among Black and White Men and Women in the United States. <b>2018</b> , 15,		9
274	Schlafbruxismus und schlafbezogene Atmungsstörungen. <b>2018</b> , 12, 3-16		
273	Computational model of brain-stem circuit for state-dependent control of hypoglossal motoneurons. <b>2018</b> , 120, 296-305		4
272	Sleeping tongue: current perspectives of genioglossus control in healthy individuals and patients with obstructive sleep apnea. <b>2018</b> , 10, 169-179		23
271	Understanding Pathophysiological Concepts Leading to Obstructive Apnea. <b>2018</b> , 28, 2560-2571		13
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262	Effect of continuous positive airway pressure on respiratory drive in patients with obstructive sleep apnea. <b>2019</b> , 64, 3-11		3
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258	The Presence of Snoring as Well as its Intensity Is Underreported by Women. <i>Journal of Clinical Sleep Medicine</i> , <b>2019</b> , 15, 471-476	3.1	15
257	The Role of Animal Models in Developing Pharmacotherapy for Obstructive Sleep Apnea. <b>2019</b> , 8,		4
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253	8 Surgery in Adults. <b>2019</b> ,		
252	Peri-pharyngeal muscle response to inspiratory loading: comparison of patients with OSA and healthy subjects. <b>2019</b> , 28, e12756		5
251	Effects of Hat-Shaped Mortised Genioplasty with Genioglossus Muscle Advancement on Retrogenia and Snoring: Assessment of Esthetic, Functional, and Psychosocial Results. <b>2019</b> , 43, 412-419		0
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244	BPAP is an effective second-line therapy for obese patients with OSA failing regular CPAP: A prospective observational cohort study. <b>2020</b> , 25, 443-448			7
243	Bidirectional relationship between sleep and Alzheimer's disease: role of amyloid, tau, and other factors. <b>2020</b> , 45, 104-120			84
242	Expansion Sphincter Pharyngoplasty. <b>2020</b> , 226-228			
241	The future of sleep-disordered breathing: Looking beyond the horizon. <b>2020</b> , 25, 249-250			
240	Electrical stimulation of the whole hypoglossal nerve in patients with obstructive sleep apnea. <i>Sleep and Breathing</i> , <b>2020</b> , 24, 1473-1480	3.1		2
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