

Nocturnal Oximetryâ€“based Evaluation of Habitually

American Journal of Respiratory and Critical Care Medicine
196, 1591-1598

DOI: [10.1164/rccm.201705-0930oc](https://doi.org/10.1164/rccm.201705-0930oc)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Machines Learning to Detect Obstructive Sleep Apnea in Children. Are We There Yet?. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1506-1507.	2.5	4
2	Clinical Prediction Rules, Adenotonsillectomy and Children With Obstructive Sleep Apnea: What's Next?. Journal of Clinical Sleep Medicine, 2017, 13, 1371-1373.	1.4	2
3	Assessment of oximetry-based statistical classifiers as simplified screening tools in the management of childhood obstructive sleep apnea. Sleep and Breathing, 2018, 22, 1063-1073.	0.9	20
4	Nocturnal oximetry in pediatric respiratory disease: Urgent need for developing standardized interpretation rules. Pediatric Pulmonology, 2018, 53, 1001-1003.	1.0	2
5	A graphical method for comparing nocturnal oxygen saturation profiles in individuals and populations: Application to healthy infants and preterm neonates. Pediatric Pulmonology, 2018, 53, 645-655.	1.0	12
6	Diagnóstico del síndrome de apnea hipopnea del sueño en niños: pasado, presente y futuro. Archivos De Bronconeumología, 2018, 54, 303-305.	0.4	5
7	Improving the diagnosis of obstructive sleep apnea in children with nocturnal oximetry-based evaluations. Expert Review of Respiratory Medicine, 2018, 12, 165-167.	1.0	11
8	Diagnosing Sleep Apnea-Hypopnea Syndrome in Children: Past, Present, and Future. Archivos De Bronconeumología, 2018, 54, 303-305.	0.4	3
9	Pediatric pulmonology year in review 2017: Part 4 (Sleep medicine). Pediatric Pulmonology, 2018, 53, 1159-1163.	1.0	0
10	Overnight oximetry as a screening tool for moderate to severe obstructive sleep apnoea in South African children. South African Medical Journal, 2018, 109, 23.	0.2	4
11	Wavelet analysis of oximetry recordings to assist in the automated detection of moderate-to-severe pediatric sleep apnea-hypopnea syndrome. PLoS ONE, 2018, 13, e0208502.	1.1	21
12	Improving the Diagnostic Ability of Oximetry Recordings in Pediatric Sleep Apnea-Hypopnea Syndrome by Means of Multi-Class AdaBoost. , 2018, 2018, 167-170.		5
13	Bispectral Analysis to Enhance Oximetry as a Simplified Alternative for Pediatric Sleep Apnea Diagnosis. , 2018, 2018, 175-178.		2
14	Detrended fluctuation analysis of the oximetry signal to assist in paediatric sleep apnoea/hypopnoea syndrome diagnosis. Physiological Measurement, 2018, 39, 114006.	1.2	22
15	Symbolic dynamics to enhance diagnostic ability of portable oximetry from the Phone Oximeter in the detection of paediatric sleep apnoea. Physiological Measurement, 2018, 39, 104002.	1.2	9
16	Oximetry use in obstructive sleep apnea. Expert Review of Respiratory Medicine, 2018, 12, 665-681.	1.0	40
17	Use of Oximetry to Determine Need for Adenotonsillectomy for Sleep-Disordered Breathing. Pediatrics, 2018, 142, .	1.0	16
18	Pulse Rate Variability Analysis to Enhance Oximetry as at-Home Alternative for Sleep Apnea Diagnosing. IFMBE Proceedings, 2019, , 213-217.	0.2	1

#	ARTICLE	IF	CITATIONS
19	American Thoracic Society 2019 Pediatric Core Curriculum. <i>Pediatric Pulmonology</i> , 2019, 54, 1880-1894.	1.0	0
20	Ready for Primetime? Home Sleep Apnea Tests for Children. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 685-686.	1.4	5
21	Towards Patient-centered Diagnosis of Pediatric Obstructive Sleep Apnea—A Review of Biomedical Engineering Strategies. <i>Expert Review of Medical Devices</i> , 2019, 16, 617-629.	1.4	16
22	Obstructive Sleep Apnea Syndrome. , 2019, , 1-19.		1
23	Respiratory polygraphy in children with sleep-disordered breathing. <i>Journal of Sleep Research</i> , 2019, 28, e12856.	1.7	15
24	Usefulness of Spectral Analysis of Respiratory Rate Variability to Help in Pediatric Sleep Apnea-Hypopnea Syndrome Diagnosis. , 2019, 2019, 4580-4583.		3
25	Convolutional Neural Networks to Detect Pediatric Apnea-Hypopnea Events from Oximetry. , 2019, 2019, 3555-3558.		8
26	Can standard deviation of overnight pulse oximetry be used to screen childhood obstructive sleep apnea. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2019, 119, 27-31.	0.4	5
27	Cloud algorithm-driven oximetry-based diagnosis of obstructive sleep apnoea in symptomatic habitually snoring children. <i>European Respiratory Journal</i> , 2019, 53, 1801788.	3.1	33
28	Pediatric pulse oximetry-based OSA screening at different thresholds of the apnea-hypopnea index with an expression of uncertainty for inconclusive classifications. <i>Sleep Medicine</i> , 2019, 60, 45-52.	0.8	24
29	Usefulness of recurrence plots from airflow recordings to aid in paediatric sleep apnoea diagnosis. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 183, 105083.	2.6	17
30	Bedside approach in the diagnosis obstructive sleep apnea using postprandial oximetry testing: A comparative study with polysomnography. <i>Clinical Respiratory Journal</i> , 2020, 14, 35-39.	0.6	3
31	Big Data in sleep apnoea: Opportunities and challenges. <i>Respirology</i> , 2020, 25, 486-494.	1.3	39
32	A review of approaches for analysing obstructive sleep apnoea-related patterns in pulse oximetry data. <i>Respirology</i> , 2020, 25, 475-485.	1.3	44
33	Upcoming Scenarios for the Comprehensive Management of Obstructive Sleep Apnea: An Overview of the Spanish Sleep Network. <i>Archivos De Bronconeumología</i> , 2020, 56, 35-41.	0.4	9
34	Upcoming Scenarios for the Comprehensive Management of Obstructive Sleep Apnea: An Overview of the Spanish Sleep Network. <i>Archivos De Bronconeumología</i> , 2020, 56, 35-41.	0.4	6
35	Preoperative identification of children at high risk of obstructive sleep apnea. <i>Paediatric Anaesthesia</i> , 2020, 30, 221-231.	0.6	10
36	Heart rate variability spectrum characteristics in children with sleep apnea. <i>Pediatric Research</i> , 2021, 89, 1771-1779.	1.1	15

#	ARTICLE	IF	CITATIONS
37	Diagnostic meta-analysis of the Pediatric Sleep Questionnaire, OSA-18, and pulse oximetry in detecting pediatric obstructive sleep apnea syndrome. <i>Sleep Medicine Reviews</i> , 2020, 54, 101355.	3.8	32
38	Supervised Machine Learning Applied to Automate Flash and Prolonged Capillary Refill Detection by Pulse Oximetry. <i>Frontiers in Physiology</i> , 2020, 11, 564589.	1.3	4
39	Automatic Assessment of Pediatric Sleep Apnea Severity Using Overnight Oximetry and Convolutional Neural Networks. , 2020, 2020, 633-636.		4
40	Artificial intelligence in sleep medicine: background and implications for clinicians. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 609-618.	1.4	51
41	Development of a Minimally Invasive Screening Tool to Identify Obese Pediatric Population at Risk of Obstructive Sleep Apnea/Hypopnea Syndrome. <i>Bioengineering</i> , 2020, 7, 131.	1.6	11
42	Predicting polysomnographic severity thresholds in children using machine learning. <i>Pediatric Research</i> , 2020, 88, 404-411.	1.1	12
43	Can overnight portable pulse oximetry be used to stratify obstructive sleep apnea risk in infants? A correlation analysis. <i>Pediatric Pulmonology</i> , 2020, 55, 2082-2088.	1.0	9
44	Observational Study of Pulse Transit Time in Children With Sleep Disordered Breathing. <i>Frontiers in Neurology</i> , 2020, 11, 316.	1.1	2
45	Evaluation and Management of Children with Obstructive Sleep Apnea Syndrome. <i>Lung</i> , 2020, 198, 257-270.	1.4	91
46	A machine learning-based test for adult sleep apnoea screening at home using oximetry and airflow. <i>Scientific Reports</i> , 2020, 10, 5332.	1.6	46
47	Assessment of Airflow and Oximetry Signals to Detect Pediatric Sleep Apnea-Hypopnea Syndrome Using AdaBoost. <i>Entropy</i> , 2020, 22, 670.	1.1	22
48	Assessment of Mandibular Movement Monitoring With Machine Learning Analysis for the Diagnosis of Obstructive Sleep Apnea. <i>JAMA Network Open</i> , 2020, 3, e1919657.	2.8	39
49	Bispectral analysis of overnight airflow to improve the pediatric sleep apnea diagnosis. <i>Computers in Biology and Medicine</i> , 2021, 129, 104167.	3.9	16
51	Neural network analysis of nocturnal SpO2 signal enables easy screening of sleep apnea in patients with acute cerebrovascular disease. <i>Sleep Medicine</i> , 2021, 79, 71-78.	0.8	24
52	Defining Normal in Pediatric Sleep: Some Thoughts and Things to Think About. , 2021, , 283-288.		0
53	Wavelet Analysis of Overnight Airflow to Detect Obstructive Sleep Apnea in Children. <i>Sensors</i> , 2021, 21, 1491.	2.1	17
54	Clinical validation of a mandibular movement signal based system for the diagnosis of pediatric sleep apnea. <i>Pediatric Pulmonology</i> , 2022, 57, 1904-1913.	1.0	8
56	Reliability of machine learning to diagnose pediatric obstructive sleep apnea: Systematic review and meta-analysis. <i>Pediatric Pulmonology</i> , 2022, 57, 1931-1943.	1.0	22

#	ARTICLE	IF	CITATIONS
57	Screening Severe Obstructive Sleep Apnea in Children with Snoring. <i>Diagnostics</i> , 2021, 11, 1168.	1.3	7
58	Alternatives to surgery in children with mild OSA. <i>World Journal of Otorhinolaryngology - Head and Neck Surgery</i> , 2021, 7, 228-235.	0.7	9
59	Bispectral Analysis of Heart Rate Variability to Characterize and Help Diagnose Pediatric Sleep Apnea. <i>Entropy</i> , 2021, 23, 1016.	1.1	13
60	A Convolutional Neural Network Architecture to Enhance Oximetry Ability to Diagnose Pediatric Obstructive Sleep Apnea. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 2906-2916.	3.9	37
61	Diagnostic approaches to respiratory abnormalities in craniofacial syndromes. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021, 26, 101292.	1.1	0
62	Diagnostic accuracy of level IV portable sleep monitors versus polysomnography for pediatric obstructive sleep apnea: a systematic review and meta-analysis. <i>Sleep Medicine</i> , 2021, 87, 127-137.	0.8	19
63	Ensemble-learning regression to estimate sleep apnea severity using at-home oximetry in adults. <i>Applied Soft Computing Journal</i> , 2021, 111, 107827.	4.1	14
64	Validity and Cost-Effectiveness of Pediatric Home Respiratory Polygraphy for the Diagnosis of Obstructive Sleep Apnea in Children: Rationale, Study Design, and Methodology. <i>Methods and Protocols</i> , 2021, 4, 9.	0.9	7
65	Validation of an Overnight Wireless High-Resolution Oximeter plus Cloud-Based Algorithm for the Diagnosis of Obstructive Sleep Apnea. <i>Clinics</i> , 2020, 75, e2414.	0.6	13
66	Network Analysis on Overnight EEG Spectrum to Assess Relationships Between Paediatric Sleep Apnoea and Cognition. <i>IFMBE Proceedings</i> , 2020, , 1138-1146.	0.2	1
67	Pediatric pulmonology year in review 2019: Sleep medicine. <i>Pediatric Pulmonology</i> , 2020, 55, 1885-1891.	1.0	0
68	Clinical correlations to distinguish severe from milder forms of obstructive sleep apnoea syndrome using overnight oximetry for prioritising adenotonsillectomy in a limited-resource setting. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2022, 152, 110988.	0.4	0
69	Pediatric Obstructive Sleep Apnea. <i>Pediatric Clinics of North America</i> , 2022, 69, 261-274.	0.9	2
72	Detection of pediatric obstructive sleep apnea using a multilayer perceptron model based on single-channel oxygen saturation or clinical features. <i>Methods</i> , 2022, 204, 361-367.	1.9	4
73	Nocturnal oximetry parameters as predictors of sleep apnea severity in resource-limited settings. <i>Journal of Sleep Research</i> , 2023, 32, .	1.7	4
74	A 2D convolutional neural network to detect sleep apnea in children using airflow and oximetry. <i>Computers in Biology and Medicine</i> , 2022, 147, 105784.	3.9	13
75	Comparative associations of oximetry patterns in Obstructive Sleep Apnea with incident cardiovascular disease. <i>Sleep</i> , 2022, 45, .	0.6	9
76	Comparison of Ring Pulse Oximetry Using Reflective Photoplethysmography and PSG in the Detection of OSA in Chinese Adults: A Pilot Study. <i>Nature and Science of Sleep</i> , 0, Volume 14, 1427-1436.	1.4	15

#	ARTICLE	IF	CITATIONS
77	Oximetry Indices in the Management of Sleep Apnea: From Overnight Minimum Saturation to the Novel Hypoxemia Measures. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 219-239.	0.8	5
78	Pediatric Obstructive Sleep Apnea: Whatâ€™s in a Name?. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 63-78.	0.8	1
79	Conventional Machine Learning Methods Applied to the Automatic Diagnosis of Sleep Apnea. <i>Advances in Experimental Medicine and Biology</i> , 2022, , 131-146.	0.8	4
80	Cluster Analysis of Home Polygraphic Recordings in Symptomatic Habitually-Snoring Children: A Precision Medicine Perspective. <i>Journal of Clinical Medicine</i> , 2022, 11, 5960.	1.0	0
81	Pediatric sleep apnea: Characterization of apneic events and sleep stages using heart rate variability. <i>Computers in Biology and Medicine</i> , 2023, 154, 106549.	3.9	10
82	Paediatric sleep apnea event prediction using nasal air pressure and machine learning. <i>Journal of Sleep Research</i> , 0, , .	1.7	0
83	Evaluation and diagnosis of pediatric obstructive sleep apneaâ€”An update. , 0, 2, .		0
86	Introduction to Pediatric Sleep Medicine. <i>Indian Journal of Pediatrics</i> , 0, , .	0.3	1
88	Hypotheses and Objectives. <i>Springer Theses</i> , 2023, , 13-18.	0.0	0
93	Pediatric Sleep Apnea. , 2023, , 1-21.		0