Resource Summary Report

Generated by T1D on Aug 24, 2026

ATCOR: SphygmoCor

RRID:SCR_018323
Type: Tool

Proper Citation

ATCOR: SphygmoCor (RRID:SCR_018323)

Resource Information

URL: https://atcormedical.com/technology/sphygmocor-xcel/

Proper Citation: ATCOR: SphygmoCor (RRID:SCR_018323)

Description: System for measuring pulse wave velocity, pulse wave analysis by ATCOR. System for noninvasive central blood pressure waveform assessment. Provides measures of central arterial pressure waveform and pulse wave velocity as well as assessment of arterial stiffness via waveform analysis e.g. augmentation index, augmented pressure, and reflected wave magnitude.

Synonyms: SphygmoCor XCEL

Resource Type: instrument resource

Keywords: Measuring pulse, wave velocity, wave analysis, ATCOR, noninvasive blood pressure assessment, arterial stiffness, augmentation index, augmented pressure, wave magnitude

Availability: Restricted

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_018323.pdf

Resource Name: ATCOR: SphygmoCor

Resource ID: SCR_018323

Alternate URLs: https://atcormedical.com/wp-content/uploads/simple-file-list/Downloads/SphygmoCor-XCEL-V1_3-Operators-Manual.pdf

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260815T182550+0000

Ratings and Alerts

No rating or validation information has been found for ATCOR: SphygmoCor.

No alerts have been found for ATCOR: SphygmoCor.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Baldwin J, et al. (2024) Association of mid-regional pro-adrenomedullin with office and 24-h ambulatory blood pressure in a Swiss general population sample. Journal of hypertension, 42(12), 2187.

Lin WC, et al. (2023) Association between Serum Soluble Urokinase-Type Plasminogen Activator Receptor Level and Arterial Stiffness in Chronic Hemodialysis Patients. Journal of personalized medicine, 13(3).

Nishitani N, et al. (2023) Association of Lower Extremity Muscle Strength and Function with Renal Resistive Index in Individuals with and without Chronic Kidney Disease. Geriatrics (Basel, Switzerland), 8(6).

Perger E, et al. (2022) Nocturnal hypoxemia, blood pressure, vascular status and chronic mountain sickness in the highest city in the world. Annals of medicine, 54(1), 1884.

Yen CH, et al. (2021) Association of free fatty acid binding protein with central aortic stiffness, myocardial dysfunction and preserved ejection fraction heart failure. Scientific reports, 11(1), 16501.

Moliterno P, et al. (2021) Association of Dietary Patterns with Cardiovascular and Kidney Phenotypes in an Uruguayan Population Cohort. Nutrients, 13(7).

Liang WY, et al. (2021) No significant association of serum klotho concentration with blood pressure and pulse wave velocity in a Chinese population. Scientific reports, 11(1), 2374.

Wei FF, et al. (2020) Retinal and Renal Microvasculature in Relation to Central Hemodynamics in 11-Year-Old Children Born Preterm or At Term. Journal of the American Heart Association, 9(15), e014305.

Ribeiro JAM, et al. (2020) Underlying mechanisms of oxygen uptake kinetics in chronic post-stroke individuals: A correlational, cross-sectional pilot study. PloS one, 15(11), e0241872.

Cauwenberghs N, et al. (2019) Area of the pressure-strain loop during ejection as non-invasive index of left ventricular performance: a population study. Cardiovascular ultrasound, 17(1), 15.

Lujambio I, et al. (2014) Estimation of Glomerular Filtration Rate Based on Serum Cystatin C versus Creatinine in a Uruguayan Population. International journal of nephrology, 2014, 837106.

Odili AN, et al. (2014) Nigerian Population Research on Environment, Gene and Health (NIPREGH) - objectives and protocol. Journal of biomedical research, 28(5), 360.