40 Mitchell Ave, Binghamton, NY 13903 Phone:(607) 723-1676

Patient Name: Ryan Cronk
MRN #: 7476
Birth Year:
Height:
Weight:
Hypertension: S1

Blood Pressure Averages

Blood Pressure Averages::Weekly

Week	Systolic(n)	Diastolic(n)	Pulse(n)
01-07-2024	136 (1)	80 (1)	45 (1)

Blood Pressure Averages:: Monthly

Month-Year	Systolic(n)	Diastolic(n)	Pulse(n)

Blood Pressure Averages:: Quarterly

Quarter-Year	Systolic(n)	Diastolic(n)	Pulse(n)

Blood Pressure Averages:: Yearly

Year	Systolic(n)	Diastolic(n)	Pulse(n)

Blood Sugar Averages

Week	Before breakfast	2 hours after breakfast	Before lunch	2 hours after lunch	Before dinner	2 hours after dinner	Bedtime
01-13-2024							
01-05-2024							
12-28-2023							
12-20-2023							

Month-Year	Before breakfast	2 hours after breakfast	Before lunch	2 hours after lunch	Before dinner	2 hours after dinner	Bedtime
01-2024							
12-2023							
11-2023							
10-2023							

Year	Before breakfast	2 hours after breakfast	Before lunch	2 hours after lunch	Before dinner	2 hours after dinner	Bedtime
01-01-2024							
01-01-2023							

01-01-2022							

Chat

Sender	Receiver	Messege	Date&Time
null Sue Ward	Ryan Cronk	Test no response needed	09-01-2024
null Diane Precopio	Ryan Cronk	This is a test message. No response needed..	09-01-2024
Mr. Anu Banerjee	Ryan Cronk	This is a test message. No response needed...	10-01-2024
Mr. Anu Banerjee	Ryan Cronk	This is a test message. No response needed.	09-01-2024
R.A. Ramanujan , M.D.	Ryan Cronk	We apologize for the breakdown in our transition to new version and have better strategy in the future. Best wishes	13-01-2024
null Sue Ward	Ryan Cronk	Good Morning the providers and staff of Diabetic Care Associates and Whiting Spring Center for Hypertension Management would like to wish you all a very happy and healthy Holiday season. We look forward to seeing you in 2024. Please make next year's resolution to being Healthy. Please bring in any new insurance cards at every visit. If you have not received the card you will need to call your insurance company prior to your visit and request the card. As always the insurance card and copay are required at time of visit as well as balance owed. Thank you and Happy New Year	20-12-2023

Reading Trends

1. Systolic and Diastolic Blood Pressure – mmHg

2. Pulse – Beats per minute

3. Blood Sugar – mg / dl , 45 mg – 2.5 mmol / l

Variability Trends

1. CV – Coefficient of Variation

2. SV – stroke volume (SV) using arterial blood pressure –SV equaled PP (SBP-DBP) divided by the sum of SBP and DB

3. ARV – Absolute Real Varibility

4. SD – Standard Deviation

Kalman Trends

1. Mean(Arithmetic Mean) – Mean is the average of a set of numbers

2. SD – Standard Deviation

3. V- Variance

AASI Trends

1. AASI: Ambulatory Arterial Stiffness Index (AASI) has been proposed as an indirect and simpler method to estimate the Arterial Stiffness (AS).

2. PP- Pulse pressure

HbA1c Trends

1. HbA1c - glycated hemoglobin

CGM Trends

Others Trends

1. AP- Advanced Placement

2. PV- Proportional Variability

3. S Mean- Systolic Mean

4. D Mean- Diastolic Mean

5. Map PP Ratio- Map Pulse Pressure Ratio

6. PSR- Pulse stiffening ratio. (PSR = SBP/DBP or slope of systolic BP/slope of diastolic BP)

7. HASI- Home arterial stiffness index

8. HSASI- Home Symmetric arterial stiffness index

Guide to abbreviations and blood pressure, pulse and other Metrics.

HBPM -Homme blood pressure measurement.

HP -Home pulse

HBS -Home blood sugar

PP -Pulse pressure

AV -Average pulse

BPV -Blood pressure variability

SV -Systolic variability

DV -Diastolic variability

PV -Pulse variability

ARV -Average real variability

CV -Coefficient of variation%

SD -Standard deviation

MAP -mean arterial blood pressure

MAP:PP -Mean Arterial Pressure : Pulse Pressure

HASI -Home arterial stiffness index

HSASI -Home Symmetric arterial stiffness index

CO -Cardiac output [CO=(PPxHR)x.002]

PSR -Pulse stiffening ratio. (PSR = SBP/DBP or slope of systolic BP/slope of diastolic BP)

Direct central blood pressure DCBP (DCBP = brachial MBP2/brachial DBP or DCBP = radial MBP2/radial DBP)

We hope these complementary multiparametric data along with standard set used in daily practicehelps to understand home blood pressure trend andother information they may potentially generate in the future to understand medication effects and patient management.

References.

MAP;

Chemla D, Antony I, Zamani K, Nitenberg A. Mean aortic pressure is the geometric mean of systolic and diastolic aortic pressure in resting humans. J Appl Physiol (1985). 2005 Dec;99(6):2278-84. doi: 10.1152/japplphysiol.00713.2005. Epub 2005 Jul 28. PMID: 16051709. Tien LYH, Morgan WH, Cringle SJ, Yu DY. Optimal Calculation of Mean Pressure From Pulse Pressure. Am J Hypertens. 2023 May 21;36(6):297-305. doi: 10.1093/ajh/hpad026. PMID: 36945835; PMCID: PMC10200551.

PSR:

Gavish B, Izzo JL Jr. Arterial Stiffness: Going a Step Beyond. Am J Hypertens. 2016 Nov 1;29(11):1223-1233. doi: 10.1093/ajh/hpw061. PMID: 27405964.

DCBP:

Chemla D, Millasseau S, Hamzaoui O, Teboul JL, Monnet X, Michard F, Jozwiak M. New Method to Estimate Central Systolic Blood Pressure From Peripheral Pressure: A Proof of Concept and Validation Study. FrontCardiovasc Med. 2021 Dec 15;8:772613. doi: 10.3389/fcvm.2021.772613. PMID: 34977186; PMCID: PMC8714848.

CO

Koenig J, Hill LK, Williams DP, Thayer JF. Estimating cardiac output from blood pressure and heart rate: the liljestrand& zander formula. Biomed Sci Instrum. 2015;51:85-90. PMID: 25996703; PMCID: PMC5317099.

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