

# PreventricDX

## Ambulatory Blood Pressure Monitoring Report

Patient EMR: GT202086

**Date:** 19-Nov-2018  
**Given Names:** GT202086  
**Family Name:** C105a  
**Contact No.:** 123456  
**BPro Serial No.:** GT202086-C105a-2  
**Performed By:** GT202086  
**Reason for ABPM:** Resistance HTN

**Ethnicity:** African  
**Date of Birth:** 19-Nov-1980  
**Gender:** M  
**Weight:** 180 lbs  
**Height:** 6 ft 8 in  
**BMI:** 19.77

### Summary

**Start** Date: 14-Aug-2018 Time: 14:36 **No. of BP recording** 55  
**End** Date: 15-Aug-2018 Time: 14:23

**Calibration Values:** Systolic: 136 mmHg Diastolic: 87 mmHg

BP Values	Systolic / Diastolic	Assessment		
Ave. 24-hr BP (PP)	123 / 81 (42)	R	A	G
Ave. Day BP (PP)	126 / 83 (43)	●	○	○
Ave. Night BP (PP)	114 / 75 (39)			
% Dip	9.5% / -	○	●	○

**Day Systolic Pressure Load:** 10.3%

**Night Systolic Pressure Load:** 0.0%

<b>Max. Systolic (Time)</b>	145 (09:21)
<b>Min. Systolic (Time)</b>	106 (04:08)
<b>Max. Diastolic (Time)</b>	96 (09:21)
<b>Min. Diastolic (Time)</b>	73 (04:08)

PP denotes Pulse Pressure R denotes Red (High Risk) A denotes Amber (Intermediate Risk) G denotes Green (Low Risk)

### Medical Record

Diabetes Mellitus  Target Organ Damage  
 Coronary Artery Disease  High Cholesterol  
 Hypertension  Smoker  
 Renal Disease  Ex-Smoker 10 years

**Others (specify):** Depression

**Medication:** Diabetes

### Comments

Disclaimer: This report is for professional interpretation only. No information or comments generated by this report shall be regarded as a diagnosis, and shall not be referred to as a recommendation of treatment.

- Stage 1 hypertension (Average day BP): Reassess 24-Hour ABPM in 1 month. If 1 month BP goal is met, reassess in 6 months.

You may utilize the [cvriskcalculator.com](http://cvriskcalculator.com) to evaluate 10 Year CVD risk.

**Reviewed By:** - **Signature:** **Date:**

### References

Reference Values for ABPM Status	
	Average Day BP
<b>Normal</b>	SYS < 120 mmHg, DIA < 80 mmHg
<b>Elevated</b>	SYS : 120-129 mmHg, DIA < 80 mmHg
<b>Stage 1 Hypertension</b>	SYS : 130-139 mmHg, DIA: 80-89 mmHg
<b>Stage 2 Hypertension</b>	SYS >= 140 mmHg, DIA >= 90 mmHg

BP Values	Systolic	Diastolic		
<b>Ave. 24-hr BP</b>	< 115	< 75		G
	115 to 124	< 75		A
	>= 125	>= 75		R
<b>Ave. Day BP</b>	< 120	< 80		G
	120 to 129	< 80		A
	>= 130	>= 80		R
<b>Ave. Night BP</b>	< 100	< 65		G
	100 to 109	< 65		A
	>= 110	>= 65		R

Reference Values for Dipper Status			
< 0%	<b>Reverse Dipper</b>		R
0% to 10%	<b>Non-Dipper</b>		A
10% to 15%	<b>Normal Dipper</b>		G
> 15%	<b>Extreme Dipper</b>		R

Calculation:  

$$\% \text{ Dip} = \frac{(\text{Ave. Day Systolic BP} - \text{Ave. Night Systolic BP}) \times 100\%}{\text{Ave. Day Systolic BP}}$$

$$\text{Day Systolic Pressure Load} = \frac{(\text{No. of Day Systolic captured} \geq 120 \text{ mmHG}) \times 100\%}{\text{No. of Day Systolic captured}}$$

$$\text{Night Systolic Pressure Load} = \frac{(\text{No. of Night Systolic captured} \geq 100 \text{ mmHG}) \times 100\%}{\text{No. of Night Systolic captured}}$$

R denotes Red (High Risk)      A denotes Amber (Intermediate Risk)      G denotes Green (Low Risk)

Note: Utilize [cvriskcalculator.com](http://cvriskcalculator.com) to evaluate 10 years CVD Risk

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Start Date: 14-Aug-2018

Start Time: 14:36

**Table1: 24-hour BP Data**

Date	Time	SYS	DIA	PR	MAP	PP	Remarks
	12:08	132	85	66	102	47	
	12:23	131	87	60	102	44	
	12:38	122	81	60	95	41	
	12:52	121	80	55	94	41	
	13:06	0	0	0	0	0	Code (06)
	13:23	0	0	0	0	0	Code (06)
	13:38	0	0	0	0	0	Code (05)
	13:53	0	0	0	0	0	Code (05)
	14:07	125	83	70	96	42	
	14:23	132	85	69	101	47	
▲ 14-Aug-2018	14:36	136	87	72	103	49	
	14:51	0	0	0	0	0	Code (06)
	15:06	0	0	0	0	0	Code (06)
	15:21	129	85	73	100	44	
	15:36	129	84	83	100	45	
	15:51	124	82	67	96	42	
	16:06	128	84	69	99	44	
	16:22	123	81	63	94	42	
	16:38	0	0	0	0	0	Code (05)
	16:52	122	81	65	95	41	
	17:08	0	0	0	0	0	Code (05)
	17:23	0	0	0	0	0	Code (05)
	17:37	128	84	70	99	44	
	17:51	118	80	69	92	38	
	18:08	0	0	0	0	0	Code (05)
	18:23	0	0	0	0	0	Code (05)
	18:37	143	94	78	110	49	
	18:53	0	0	0	0	0	Code (05)
	19:08	0	0	0	0	0	Code (05)
	19:23	0	0	0	0	0	Code (05)
	19:36	142	91	85	110	51	
	19:53	0	0	0	0	0	Code (05)
	20:06	124	85	59	96	39	
	20:23	0	0	0	0	0	Code (05)
	20:36	0	0	0	0	0	Code (05)
	20:53	122	81	66	95	41	
	21:06	128	83	68	98	45	
	21:22	125	82	74	96	43	
	21:37	127	84	69	98	43	
	21:51	126	83	65	97	43	
	22:06	129	85	66	100	44	
	22:23	0	0	0	0	0	Code (05)
	22:38	124	82	58	95	42	
	22:51	127	83	57	98	44	
	23:06	125	82	57	96	43	
	23:21	0	0	0	0	0	Code (05)
	23:36	118	79	56	91	39	
	23:51	127	82	61	98	45	
15-Aug-2018	00:08	0	0	0	0	0	Code (05)
	00:22	0	0	0	0	0	Code (05)
	00:36	113	75	52	88	38	
	00:51	115	76	53	89	39	
	01:06	113	75	54	88	38	
	01:23	0	0	0	0	0	Code (05)
	01:36	0	0	0	0	0	Code (06)
	01:51	118	76	56	91	42	
	02:06	111	74	52	86	37	
	02:21	112	75	51	87	37	
	02:36	118	77	55	91	41	
	02:51	115	77	52	90	38	

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Patient EMR: GT202086

Given Names: GT202086

Family Name: C105a

Start Date: 14-Aug-2018

Start Time: 14:36

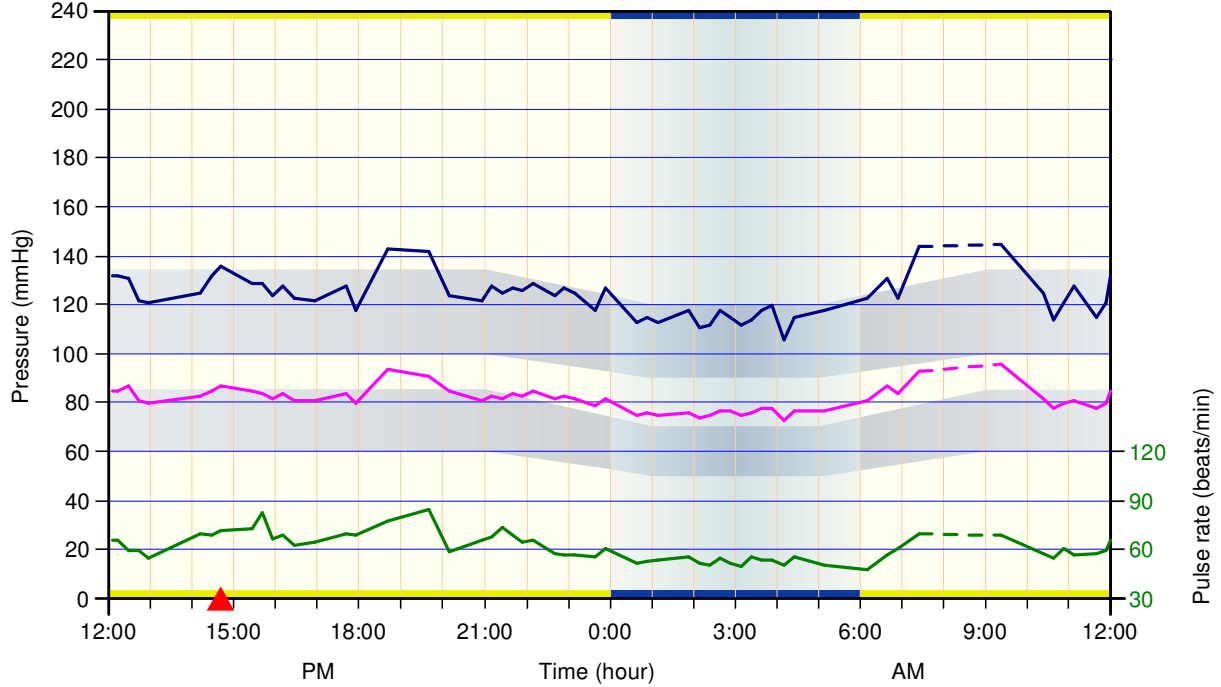
Date	Time	SYS	DIA	PR	MAP	PP	Remarks
	03:06	112	75	50	87	37	
	03:21	114	76	56	89	38	
	03:36	118	78	54	91	40	
	03:51	120	78	54	93	42	
	04:08	106	73	51	83	33	
	04:23	115	77	56	90	38	
	04:38	0	0	0	0	0	Code (05)
	04:53	0	0	0	0	0	Code (05)
	05:06	118	77	51	91	41	
	05:23	0	0	0	0	0	Code (05)
	05:38	0	0	0	0	0	Code (05)
	05:53	0	0	0	0	0	Code (05)
	06:08	123	81	48	95	42	
	06:23	0	0	0	0	0	Code (05)
	06:37	131	87	57	102	44	
	06:52	123	84	61	95	39	
	07:06	0	0	0	0	0	Code (06)
	07:23	144	93	70	112	51	
	07:38	0	0	0	0	0	Code (05)
	07:53	0	0	0	0	0	Code (05)
	08:08	0	0	0	0	0	Code (05)
	08:23	0	0	0	0	0	Code (05)
	08:38	0	0	0	0	0	Code (05)
	08:53	0	0	0	0	0	Code (05)
	09:08	0	0	0	0	0	Code (05)
	09:21	145	96	69	112	49	
	09:38	0	0	0	0	0	Code (05)
	09:53	0	0	0	0	0	Code (05)
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	10:22	125	82	58	96	43	
	10:37	114	78	55	89	36	
	10:51	121	80	61	94	41	
	11:06	128	81	57	98	47	
	11:23	0	0	0	0	0	Code (05)
	11:38	115	78	58	89	37	
	11:52	121	80	60	94	41	

Code	Description
04	Probably measurement error
05	Probably BP error
06	No waveform selected
07	No measurement

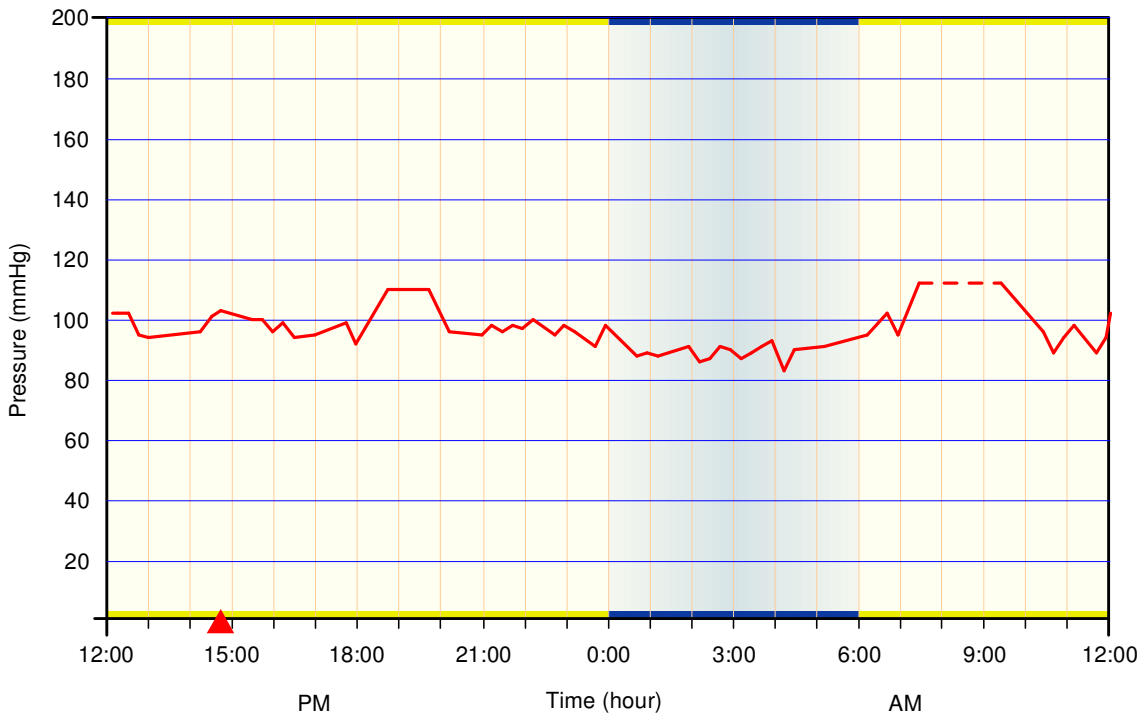
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 Start Date: 14-Aug-2018 Start Time: 14:36

Graph 1: 24-hour blood pressure pattern



Graph 2: MAP over 24 hours



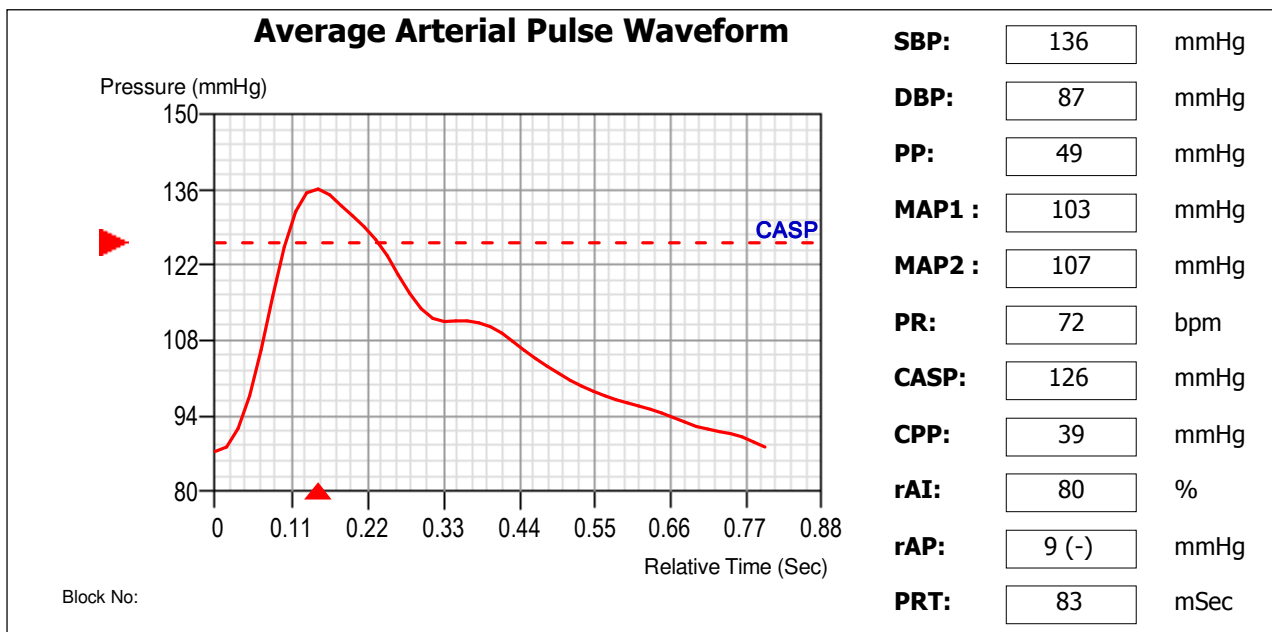
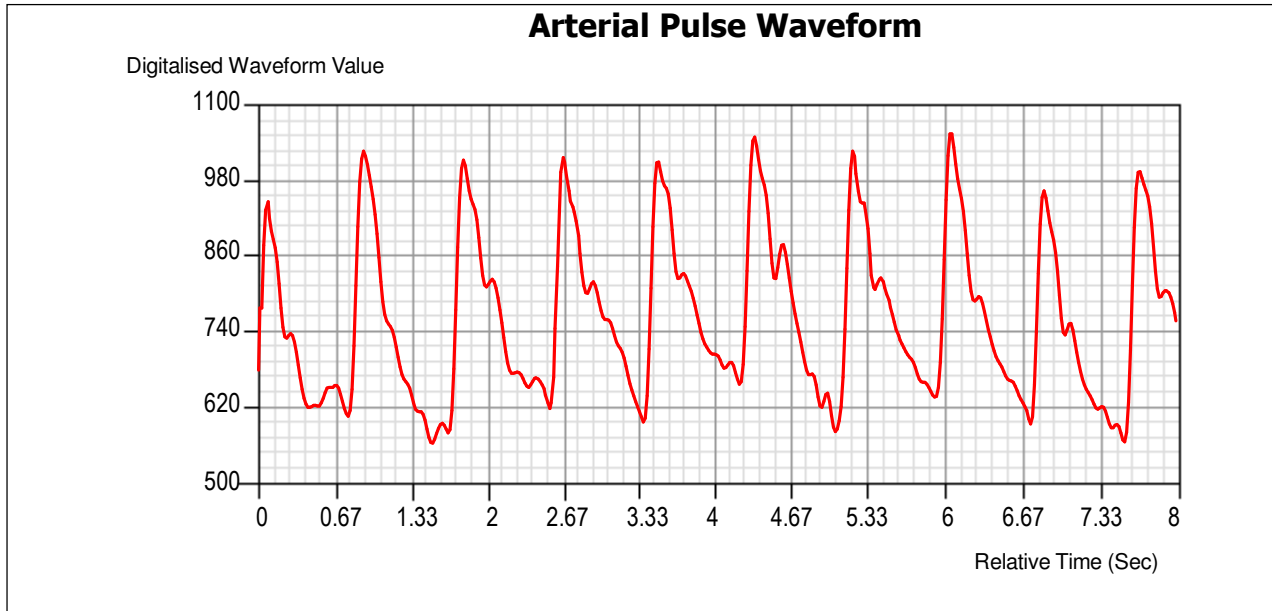
Systolic	Diastolic	Pulse rate
Refer to remarks	Normal BP range	Night band
Start of ABPM session	Mean arterial pressure	Active period
		Resting period

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### Explanation of Terms

- SBP** Systolic blood pressure of the average single waveform.
- DBP** Diastolic blood pressure of the average single waveform.
- PP** Pulse pressure. The difference between SBP and DBP.
- MAP1** Mean arterial pressure ( $MAP1 = 1/3 * SBP + 2/3 * DBP$ ).
- MAP2** Time-weighted average area under the curve.
- PR** Pulse rate.
- CASP** Derived central aortic systolic pressure.
- CPP** Derived central aortic pulse pressure.
- rAI** Radial augmentation index.
- rAP** Radial augmentation pressure.
- PRT** Relative time between SBP and augmentation.