

CardioDetect Heart Institute

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ACC-
20251215-
13849

Scan for patient data

FINAL REPORT

Patient:	ALICE JOHNSON	DOB:	N/A	Age/Sex:	66Y / M
Accession:	ACC-20251215-13849	Collected:	15/12/2025, 10:58:37	Ordering MD:	Dr. Sarah Johnson, MD

CLINICAL CHEMISTRY / VITALS

TEST	RESULT	UNIT	REFERENCE	FLAG
Systolic Blood Pressure	155	mmHg	90 - 140	H
Diastolic Blood Pressure	96	mmHg	60 - 90	H
Total Cholesterol	250	mg/dL	0 - 200	H
Body Mass Index	36.2	kg/m²	18.5 - 25	H
Smoking Status	POSITIVE		NEGATIVE	A
Diabetes Status	POSITIVE		NEGATIVE	A

CARDIOVASCULAR RISK ASSESSMENT

10-Year ASCVD Risk Score: 85.5%
Risk Category: HIGH

Clinical Interpretation: Patient presents with multiple cardiovascular risk factors. Aggressive risk factor modification is warranted. Consider initiating statin therapy and optimizing antihypertensive regimen.

CLINICAL RECOMMENDATIONS

PRI	CATEGORY	RECOMMENDED ACTION	EVIDENCE	TARGET
1	Blood Pressure Management	Lifestyle modifications + antihypertensive medication. Target: <130/80 mmHg	ACC/AHA 2017 Hypertension Guideline	<130/80
2	Statin Therapy	Moderate-Intensity Statin (High if risk enhancers). Condition met: Diabetes (Age 40-75)	ACC/AHA 2018 Cholesterol Guideline	LDL <70
3	Physical Activity	Aerobic: As tolerated; avoid prolonged inactivity; Strength: Muscle-strengthening 2+ days/week as tolerated. ⚠️ Consult healthcare provider before starting exercise program	WHO 2020 Physical Activity Guidelines	150 min/wk
4	Smoking Cessation	Complete cessation strongly advised. Offer: behavioral counseling + pharmacotherapy (varenicline, NRT, bupropion)	ACC/AHA 2019 Primary Prevention Guideline	-

5	Dietary Pattern	DASH or Mediterranean diet. Sodium <2300 mg/day; emphasize fruits, vegetables, whole grains, lean protein	ACC/AHA 2019 Primary Prevention Guideline	Na <2300mg
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PATIENT INSTRUCTIONS

- **URGENT:** Schedule follow-up appointment within 1-2 weeks
- Monitor blood pressure daily and maintain a log
- Begin prescribed medications as directed
- Follow DASH diet - limit sodium to less than 2300mg/day
- Engage in 150 minutes of moderate aerobic activity per week
- **Contact clinic immediately** if experiencing chest pain, severe headache, or shortness of breath

DIGITALLY SIGNED

Dr. S
Johnson

Dr. Sarah Johnson, MD, FACC
License: NY-MC-123456 | NPI:
1234567890
Specialty: Cardiology
Digitally signed on 15/12/2025 at 10:58:37

Audit: Collected 10:58:37 → Received 10:58:37 → Verified 10:58:37 → Released 10:58:37
CC: Primary Care Physician, Cardiology File | Accession: ACC-20251215-13849

⚠ Medical Disclaimer: This AI-generated report is for educational and screening purposes only. It does not constitute medical advice or diagnosis. Please consult a qualified healthcare professional for proper evaluation and treatment decisions.
Model Accuracy: Detection 91.45% | Prediction 91.63%

END OF REPORT