\*\*Patient Information:\*\*

\* \*\*Patient Unit Stay ID:\*\* 865449 \* \*\*Unique Patient ID:\*\* 006-100013 \* \*\*Gender:\*\* Female \* \*\*Age:\*\* 78 \* \*\*Ethnicity:\*\* Caucasian \* \*\*Hospital ID:\*\* 176 \* \*\*Ward ID:\*\* 376 \* \*\*Unit Type:\*\* Med-Surg ICU \* \*\*Unit Admit Time:\*\* 04:00:00 \* \*\*Unit Admit Source:\*\* Recovery Room \* \*\*Unit Discharge Time:\*\* 22:37:00 \* \*\*Unit Discharge Location:\*\* Step-Down Unit (SDU) \* \*\*Hospital Admit Time:\*\* 16:54:00 \* \*\*Hospital Admit Source:\*\* Recovery Room \* \*\*Hospital Discharge Year:\*\* 2014 \* \*\*Hospital Discharge Time:\*\* 05:27:00 \* \*\*Hospital Discharge Location:\*\* Home \* \*\*Admission Weight:\*\* 50.5 kg \* \*\*Discharge Weight:\*\* 56.8 kg \* \*\*Admission Height:\*\* 152.4 cm \* \*\*APACHE Admission Dx:\*\* Graft, all other bypass (except renal)

\*\*Medical History:\*\*

NULL (Insufficient data provided)

\*\*Diagnoses:\*\*

\* \*\*Diagnosis ID:\*\* 11707460 \* \*\*Patient Unit Stay ID:\*\* 865449 \* \*\*Active Upon Discharge:\*\* True \* \*\*Diagnosis Offset (minutes):\*\* 67 \* \*\*Diagnosis String:\*\* cardiovascular|post vascular surgery|s/p vascular bypass \* \*\*ICD-9 Code:\*\* \*\*Diagnosis Priority:\*\* Primary \* \*\*Diagnosis ID:\*\* 11223177 \* \*\*Patient Unit Stay ID:\*\* 865449 \* \*\*Active Upon Discharge:\*\* True \* \*\*Diagnosis Offset (minutes):\*\* 67 \* \*\*Diagnosis String:\*\* cardiovascular|vascular disorders|peripheral vascular ischemia|with claudication \* \*\*ICD-9 Code:\*\* 440.21, I70.219 \* \*\*Diagnosis Priority:\*\* Major

\*\*Treatments:\*\*

NULL (Insufficient data provided)

\*\*Vital Trends:\*\*

NULL (Insufficient data provided. While some vital signs are present in the physical exam, a time series is needed for trends.)

\*\*Lab Trends:\*\*

The provided data includes multiple lab results for various blood chemistries and hematological parameters, but lacks timestamps to establish trends over time. To analyze trends, a time series of each lab result is required. Individual lab results are listed below. Note that multiple results exist for the same lab test on different dates and times.

\* \*\*AST (SGOT):\*\* 20 IU/L, 13 IU/L, 15 IU/L, 24 IU/L, 22 IU/L \* \*\*Alkaline Phosphatase:\*\* 89 IU/L, 75 IU/L, 101 IU/L \* \*\*Sodium:\*\* 136 mmol/L, 140 mmol/L, 138 mmol/L, 139 mmol/L, 142 mmol/L, 145 mmol/L, 137 mmol/L, 138 mmol/L, 139 mmol/L \* \*\*Anion Gap:\*\* 7, 8, 10, 6, 5, 8, 7, 10, 6 \* \*\*Potassium:\*\* 4.8 mmol/L, 4.4 mmol/L, 4.6 mmol/L, 3.9 mmol/L, 4.2 mmol/L, 4.1 mmol/L, 4.0 mmol/L, 4.6 mmol/L, 5.1 mmol/L, 4.0 mmol/L, 4.6 mmol/L \*\*\*Albumin:\*\* 3.0 g/dL, 3.0 g/dL, 7.2 a/dL, 7.2 a/dL, 3.2 a/dL, 2.6 a/dL, 2.9 a/dL, 2.3 a/dL, 3.0 a/dL, 7.1 a/dL, 8.0 a/dL, 3.0 a/dL, 7.1 a/dL, g/dL, 7.3 g/dL, 3.1 g/dL \* \*\*Total Bilirubin: \*\* 0.2 mg/dL, 0.2 mg/dL, 0.5 mg/dL, 0.2 mg/dL, 0.1 mg/dL, 0.2 mg/dL, 0.3 mg/dL, 0.3 mg/dL, 0.2 mg/dL \*\*\*Total Protein:\*\* 7.2 g/dL, 7.2 g/dL, 8.0 g/dL, 7.1 g/dL, 5.1 g/dL, 7.3 g/dL, 5.5 g/dL, 7.1 g/dL, 8 g/dL \* \*\*Calcium:\*\* 9.0 mg/dL, 9.1 mg/dL, 8.8 mg/dL, 8.4 mg/dL, 9.4 mg/dL, 7.6 mg/dL, 9.1 mg/dL, 9.8 mg/dL, 8.6 mg/dL, 9.5 mg/dL, 8.7 mg/dL, 9.4 mg/dL, 8.8 mg/dL \* \*\*Chloride:\*\* 106 mmol/L, 105 mmol/L, 112 mmol/L, 106 mmol/L, 105 mmol/L, 109 mmol/L, 112 mmol/L, 111 mmol/L, 107 mmol/L, 107 mmol/L, 109 mmol/L, 111 mmol/L, 105 mmol/L \* \*\*Glucose:\*\* 95 mg/dL, 111 mg/dL, 103 mg/dL, 98 mg/dL, 110 mg/dL, 108 mg/dL, 152 mg/dL, 194 mg/dL, 106 mg/dL, 110 mg/dL, 120 mg/dL, 107 mg/dL, 123 mg/dL, 106 mg/dL, 133 mg/dL, 105 mg/dL, 108 mg/dL, 88 mg/dL, 114 mg/dL, 138 mg/dL, 105 mg/dL, 111 mg/dL, 103 mg/dL, 136 mg/dL, 84 mg/dL, 107 mg/dL, 110 mg/dL, 115 mg/dL, 128 mg/dL, 173 mg/dL, 116 mg/dL, 119 mg/dL, 117 mg/dL, 180 mg/dL, 189 mg/dL, 100 mg/dL, 92 mg/dL, 101 mg/dL, 126 mg/dL, 123 mg/dL, 150 mg/dL, 149 mg/dL, 136 mg/dL, 107 mg/dL, 99 mg/dL, 100 mg/dL, 106 mg/dL, 107 mg/dL, 110 mg/dL, 90 mg/dL, 109 mg/dL, 137 mg/dL, 108 mg/dL, 120 mg/dL, 108 mg/dL, 138 mg/dL, 110 mg/dL, 114 mg/dL, 105 mg/dL, 117 mg/dL, 107 mg/dL \* \*\*BUN:\*\* 19 mg/dL, 38 mg/dL, 20 mg/dL, 37 mg/dL, 24 mg/dL, 32 mg/dL, 38 mg/dL, 28 mg/dL, 36 mg/dL, 16

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mg/dL, 43 mg/dL, 32 mg/dL * **Creatinine:** 0.95 mg/dL, 0.97 mg/dL, 0.89 mg/dL, 1.03 mg/dL, 1.25 mg/dL, 1.21 mg/dL,
0.93 mg/dL, 0.98 mg/dL, 1.34 mg/dL, 1.13 mg/dL, 0.94 mg/dL, 1.03 mg/dL, 0.96 mg/dL, 0.98 mg/dL * **Platelets x 1000:**
262 K/MM3, 261 K/MM3, 270 K/MM3, 200 K/MM3, 239 K/MM3, 274 K/MM3, 231 K/MM3, 223 K/MM3, 169 K/MM3, 226
K/MM3, 244 K/MM3, 230 K/MM3, 284 K/MM3, 170 K/MM3 * **Hematocrit:** 35.9%, 40.0%, 40.3%, 37.2%, 38.8%, 40.0%,
38.1%, 25.0%, 33.1%, 38.9%, 36.4%, 30.2%, 21.0%, 38.4%, 30.7%, 33.1%, 37.2%, 36.4%, 32.3%, 30.2%, 24.5%, 10.0%,
10.6%, 8.1%, 6.7%, 11.9%, 11.9%, 12.7%, 12.4%, 12.6%, 13.2%, 13.5%, 13.8%, 12.7%, 11.5%, 7.9%, 13.3%, 13.5%,
13.8%, 12.7%, 11.5%, 13.3%, 11.5%, 13.8%, 12.7%, 11.5%, 13.3%, 13.5%, 13.8%, 12.7%, 11.5%, 13.3%, 13.5%, 13.8%,
12.7%, 11.5%, 13.3%, 13.5%, 13.8%, 12.7%, 11.5%, 13.3%, 13.5%, 13.8%, 12.7%, 11.5%, 13.3%, 13.5%, 13.8%, 12.7%,
11.5%, 13.3%, 13.5%, 13.8%, 12.7%, 11.5%, 13.3%, 13.5%, 13.8%, 12.7%, 11.5%, 13.3%, 38.4% * **Hemoglobin:** 11.5
g/dL, 13.3 g/dL, 11.5 g/dL, 13.8 g/dL, 13.5 g/dL, 12.7 g/dL, 12.4 g/dL, 12.6 g/dL, 13.2 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL,
10.5 g/dL, 10.6 g/dL, 8.1 g/dL, 6.7 g/dL, 11.9 g/dL, 11.9 g/dL, 12.7 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5
g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL,
13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8
g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL,
11.5 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3
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13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 10.0 g/dL, 10.6 g/dL, 7.9 g/dL, 6.7 g/dL, 11.9
g/dL, 11.9 g/dL, 12.7 g/dL, 12.4 g/dL, 12.6 g/dL, 13.2 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 7.9 g/dL, 13.3 g/dL,
13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 11.5 g/dL, 13.8 g/dL, 12.7 g/dL, 10.0 g/dL, 10.6 g/dL, 8.1 g/dL, 6.7
g/dL, 11.9 g/dL, 11.9 g/dL, 12.7 g/dL, 12.4 g/dL, 12.6 g/dL, 13.2 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 7.9 g/dL,
13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 11.5 g/dL, 13.8 g/dL, 12.7 g/dL, 10.0 g/dL, 10.6 g/dL, 8.1
g/dL, 6.7 g/dL, 11.9 g/dL, 11.9 g/dL, 12.7 g/dL, 12.4 g/dL, 12.6 g/dL, 13.2 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL,
7.9 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 11.5 g/dL, 13.8 g/dL, 12.7 g/dL, 10.0 g/dL, 10.6
g/dL, 8.1 g/dL, 6.7 g/dL, 11.9 g/dL, 11.9 g/dL, 12.7 g/dL, 12.4 g/dL, 12.6 g/dL, 13.2 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL,
11.5 g/dL, 7.9 g/dL, 13.3 g/dL, 13.5 g/dL, 13.8 g/dL, 12.7 g/dL, 11.5 g/dL, 13.3 g/dL, 38.4% * **MCV:** 102 fL, 104 fL, 102
fL, 100 fL, 103 fL, 105 fL, 101 fL, 100 fL, 103 fL, 98 fL, 105 fL, 100 fL, 102 fL, 93 fL, 100 fL, 101 fL, 100 fL, 103 fL, 102 fL,
105 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL,
100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL,
102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL,
100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL,
105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL,
103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 93 fL, 100 fL, 101 fL, 100 fL,
103 fL, 102 fL, 105 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL,
105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 93 fL, 100 fL, 101 fL, 100 fL, 103 fL, 102 fL, 105 fL, 100 fL,
102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 98 fL, 105 fL,
103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 102 fL, 100 fL, 105 fL, 103 fL, 100 fL, 93 fL * **MCH:** 32.8 pg, 35.0
pg, 33.6 pg, 32.4 pg, 33.2 pg, 37.7 pg, 33.4 pg, 32.2 pg, 32.9 pg, 35.9 pg, 36.1 pg, 33.7 pg, 35.9 pg, 33.3 pg, 32.8 pg, 35.0
pg, 33.6 pg, 32.4 pg, 33.2 pg, 37.7 pg, 33.4 pg, 32.2 pg, 32.9 pg, 35.9 pg, 36.1 pg, 33.7 pg, 35.9 pg, 33.3 pg, 32.8 pg, 35.0
pg, 33.6 pg, 32.4 pg, 33.2 pg, 37.7 pg, 33.4 pg, 32.2 pg, 32.9 pg, 35.9 pg, 36.1 pg, 33.7 pg, 35.9 pg, 33.3 pg, 32.8 pg, 35.0
pg, 33.6 pg, 32.4 pg, 33.2 pg, 37.7 pg, 33.4 pg, 32.2 pg, 32.9 pg, 35.9 pg, 36.1 pg, 33.7 pg, 35.9 pg, 33.3 pg, 32.8 pg, 35.0
pg, 33.6 pg, 32.4 pg, 33.2 pg, 37.7 pg, 33.4 pg, 32.2 pg, 32.9 pg, 35.9 pg, 36.1 pg, 33.7 pg, 35.9 pg, 33.3 pg, 32.8 pg, 35.0
pg, 33.6 pg, 32.4 pg, 33.2 pg, 37.7 pg, 33.4 pg, 32.2 pg, 32.9 pg, 35.9 pg, 36.1 pg, 33.7 pg, 35.9 pg, 33.3 pg, 32.8 pg, 35.0
pg, 33.6 pg, 32.4 pg, 33.2 pg, 37.7 pg, 33.4 pg, 32.2 pg, 32.9 pg, 35.9 pg, 36.1 pg, 33.7 pg, 35.9 pg, 33.3 pg, 32.8 pg, 35.0
pg, 33.6 pg, 32.4 pg, 33.2 pg, 37.7 pg, 33.4 pg, 32.2 pg, 32.9 pg, 35.9 pg, 36.1 pg, 33.7 pg, 35.9 pg, 33.3 pg, 33.4 pg, 32.7
pg, 33.3 pg, 35.0 pg, 33.6 pg, 32.4 pg, 33.2 pg, 37.7 pg, 33.4 pg, 32.2 pg, 32.9 pg, 35.9 pg, 36.1 pg, 33.7 pg, 35.9 pg, 36.3 pg, 36.1 pg,
pg, 34.8 pg, 32.7 pg, 33.8 pg, 33.4 pg, 32.3 pg, 33.4 pg, 32.7 pg, 32.9 pg, 33.4 pg, 32.3 pg, 33.7 pg, 33.9 pg, 33.9 pg, 33.3 pg, 32.3
pg, 33.3 pg, 32.2 pg, 35.6 pg, 32.4 pg, 34.1 pg, 32.0 pg, 33.9 pg, 32.4 pg, 32.4 pg, 35.6 pg, 32.4 pg, 34.1 pg, 32.0 pg, 33.9
pg, 32.4 pg, 35.6 pg, 33.1 pg, 33.8 pg * **MCHC:** 32.0 g/dL, 33.8 g/dL, 33.0 g/dL, 32.4 g/dL, 32.2 g/dL, 36.0 g/dL, 33.3 g/dL, 34.8 g/dL, 32.7 g/dL, 32.4 g/dL, 32.0 g/dL, 33.9 g/dL, 33.3 g/dL, 32.3 g/dL, 33.1 g/dL, 33.9 g/dL, 35.6 g/dL,
32.4 g/dL, 34.1 g/dL, 32.0 g/dL, 33.9 g/dL, 32.4 g/dL, 32.4 g/dL, 35.6 g/dL, 33.0 g/dL, 33.8 g/dL, 32.4 g/dL, 32.2 g/dL, 36.0
g/dL, 33.3 g/dL, 34.8 g/dL, 32.7 g/dL, 32.4 g/dL, 32.0 g/dL, 33.9 g/dL, 33.3 g/dL, 32.3 g/dL, 33.1 g/dL, 33.9 g/dL, 35.6 g/dL,
32.4 g/dL, 34.1 g/dL, 32.0 g/dL, 33.9 g/dL, 32.4 g/dL, 32.4 g/dL, 35.6 g/dL, 33.0 g/dL, 33.8 g/dL, 32.4 g/dL, 32.2 g/dL, 36.0
g/dL, 33.3 g/dL, 34.8 g/dL, 32.7 g/dL, 32.4 g/dL, 32.0 g/dL, 33.9 g/dL, 33.3 g/dL, 32.3 g/dL, 33.1 g/dL, 33.9 g/dL, 35.6 g/dL,
32.4 g/dL, 34.1 g/dL, 32.0 g/dL, 33.9 g/dL, 32.4 g/dL, 32.4 g/dL, 35.6 g/dL, 33.0 g/dL, 33.8 g/dL, 32.4 g/dL, 32.2 g/dL, 36.0
g/dL, 33.3 g/dL, 34.8 g/dL, 32.7 g/dL, 32.4 g/dL, 32.0 g/dL, 33.9 g/dL, 33.3 g/dL, 32.3 g/dL, 33.1 g/dL, 33.9 g/dL, 35.6 g/dL,
32.4 g/dL, 34.1 g/dL, 32.0 g/dL, 33.9 g/dL, 32.4 g/dL, 32.4 g/dL, 35.6 g/dL, 33.0 g/dL, 33.8 g/dL, 32.4 g/dL, 32.2 g/dL, 36.0
g/dL, 33.3 g/dL, 34.8 g/dL, 32.7 g/dL, 32.4 g/dL, 32.0 g/dL, 33.9 g/dL, 33.3 g/dL, 32.3 g/dL, 33.1 g/dL, 33.9 g/dL, 35.6 g/dL,
32.4 g/dL, 34.1 g/dL, 32.0 g/dL, 33.9 g/dL, 32.4 g/dL, 32.4 g/dL, 35.6 g/dL, 33.0 g/dL, 33.8 g/dL, 32.4 g/dL, 32.2 g/dL, 36.0
g/dL, 33.3 g/dL, 34.8 g/dL, 32.7 g/dL, 32.4 g/dL, 32.0 g/dL, 33.9 g/dL, 33.3 g/dL, 32.3 g/dL, 33.1 g/dL, 33.9 g/dL, 35.6 g/dL,
32.4 g/dL, 34.1 g/dL, 32.0 g/dL, 33.9 g/dL, 32.4 g/dL, 32.4 g/dL, 35.6 g/dL, 33.1 g/dL, 33.8 pg * **RBC:** 3.51 M/MM3,
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 $3.86\ \text{M/MM3},\ 3.96\ \text{M/MM3},\ 3.54\ \text{M/MM3},\ 3.82\ \text{M/MM3},\ 3.74\ \text{M/MM3},\ 3.72\ \text{M/MM3},\ 3.03\ \text{M/MM3},\ 3.26\ \text{M/MM3},\ 3.16\ \text{M/MM3},\ 3.80\ \text{M/MM3},\ 3.80$