

Casestudy

by Kol Hgg

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Interprofessional and Collaborative Treatment

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Diagnostic Work Labs of Patient

- ▶ HbA1c level – 7.3%
- ▶ BG 200 – 250mg/dL
- ▶ BP 162/91 mmHg
- ▶ Heartrate 89
- ▶ RR – 32
- ▶ Temperature 98.7F
- ▶ Oxygen saturation 97%
- ▶ BMI 32
- ▶ RBS: 208 mg/dL

Pathophysiology of Elevated Hemoglobin

- ▶ can be caused by
 - ▶ Lifestyle factors like smoking
 - ▶ Living in high altitude
 - ▶ Poor heart or lung function
 - ▶ Increased production of red blood cells
 - ▶ Congenital heart diseases
 - ▶ Dehydration
 - ▶ Hypoxia
 - ▶ COPD

Effects of Elevated Hemoglobin Levels

- ▶ Trouble with physical activity
- ▶ Headache
- ▶ Chest pain
- ▶ Shortness of breath
- ▶ Exhaustion
- ▶ Headache
- ▶ Cold, swollen feet
- ▶ Dizziness

Causes of Elevated Glycosylated Hemoglobin

- ▶ An increase in turnover for red cell
- ▶ Loosing Blood
- ▶ Hemolysis
- ▶ Haemoglobinopathies
- ▶ Disorders in red cell
- ▶ Myedysplastic disorder

Nursing Board Type Questions

- ▶ What should a patient do to control blood sugar levels?
- ▶ What is the normal hemoglobin count?
- ▶ What is the BMI for a healthy person?
- ▶ Which one is not a symptom of high hemoglobin levels?

Management of the Condition

- ▶ Regular exercise
- ▶ Eating Healthy foods
- ▶ Loosing Weight
- ▶ Monitoring blood sugar
- ▶ Medications for diabetes and insulin therapy (Mayo Clinic, 2021).

Standard Protocol

- ▶ Examine weight and BMI
- ▶ Check blood pressure and peripheral pulses of the feet
- ▶ Check for visual acuity
- ▶ Determine frequency of urination
- ▶ Determine current medication for diabetes
- ▶ Determine the type of medication for other conditions
- ▶ Assess patient's diet and physical exercise
- ▶ Assess lifestyle risk factors

Health Insurance Issues

- ▶ Increased medical costs
- ▶ Medicare part A – hospital insurance inpatient
- ▶ Medicare part B – medical insurance
- ▶ Medicare part B covers blood sugar tests, monitoring blood sugar, glucose control solutions, and insulin therapy.
- ▶ Part A deductible for premium cost - \$1364 per benefit period
- ▶ Part B deductible costs - \$185.
- ▶ Medicare approves 80% healthcare costs (ADA, 2021).

Business Aspect and Ethical Responsibility

- ▶ Success in business will be achieved by the use of ethics.
- ▶ Promotion of ethical patient care
- ▶ Solving problems
- ▶ Collaboration with peers
- ▶ Flexibility and adaptability
- ▶ Respect for others and members of community.

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