



**BIRZEIT UNIVERSITY**

**FACULTY OF PHARMACY, NURSING AND HEALTH PROFESSIONS  
NURS3250, CRITICAL CARE NURSING 1**

**Male patient 60 years old admitted to CCU post CABG, Pt has A.L, CVP line, Swan Ganz Catheter, Hemodynamic monitoring are B.P 80/60 mm/Hg ,pulse 130 b/m ,CVP 1 mm/Hg,PAWP 4mm/Hg ,MPAP 7 mm/Hg ,CO 3L / m , BSA 2 / M 2 ,weight 70 kgm ,urine out put 20 cc/hr .**

**According to hemodynamic data answer these questions**

**1- Calculate the MAP? Interpretation?**

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**2- Pulse pressure? Interpretation?**

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**3-CI ? SV ? Interpretation ?**

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**4-SVR ? Interpretation ?**

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**5-PVR ?interpretation ?**

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**6-EF if EDV is 40 CC ?**

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**7-What is the possible causes of abnormal hemodynamic readings?\_\_\_\_\_**

**8- Management in this case is ? \_\_\_\_\_**

**9-What is the reading of CVP IN ( cm water ) ? \_\_\_\_\_**

**10- What the effects of hypovolemia on pre load and after load? and what the effects on heart?**

**11-Whats are the effects of the following management on the heart?**

**Inotropic drugs \_\_\_\_\_**

**Vasodilator drugs \_\_\_\_\_**

**Diuretics \_\_\_\_\_**

**IABP \_\_\_\_\_**

**Vasodilator drugs on SVR \_\_\_\_\_**

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