Ms. Thomas

Load Ms. Thomas (Ms Thomas.ICS) using the **File / Load Initial Conditions** main menu selection.

Is Ms. Thomas OK? Actually, the thumbnail sketch on the  Charts panel suggests that she is not OK. She is confused – maybe worse.

To get a rough idea of Ms. Thomas’s condition, advance the solution in 1 hour intervals for a total of 3 hours, collecting data at the start and at the end of each interval. Check Ms. Thomas’s blood pressure, heart rate, temperature and respiration using the  Monitor panel.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | 12:00 | 1:00 | 2:00 | 3:00 |
| Systolic Blood Pressure (mmHg) | 126 | 127 | 128 | 130 |
| Diastolic Blood Pressure (mmHg) | 89 | 90 | 90 | 91 |
| Heart Rate (/Min) | 77 | 78 | 78 | 78 |
| Temperature  (deg F) | 98.5 | 98.5 | 98.5 | 98.5 |
| Respiration Rate  (/Min) | 14 | 14 | 14 | 14 |

The initial values look pretty good, but trouble soon develops. What does the pulse pressure and heart rate data suggest?

Click main menu selection Restart to restart the solution.

Attend to Ms. Thomas. Be prepared to discuss the following points.

1. What is the matter with Ms. Thomas?
2. What interventions are possible? Which do you recommend? Can you describe a beneficial course of action?
3. What physiological and pathophysiological mechanisms are causing Ms. Thomas’s condition?
4. What physiological mechanisms, if any, are actually beneficial to Ms. Thomas condition?
5. Summarize Ms. Thomas’s acid/base status?
6. What is Ms. Thomas’s fluid volume status?
7. What is Ms. Thomas’s renal excretory status?
8. Specifically, what are the neurological, endocrine and metabolic components of Ms. Thomas’s condition?