Complications of pregnancy (24 marks)

A 34 year old, G3P2, 32/40 pregnant woman presents to your ED with headache and increasing shortness of breath on exertion. She has vital signs as follows:

GCS 15

HR 103

BP 138/94

RR 22

Sats 96% r/a

T 37.1

1. List 4 (four) additional symptoms which, if present, would support a diagnosis of pre-eclampsia: (4 marks)

1. What bedside test can be performed to support the diagnosis? (1 mark)

**The patient’s blood tests become available:**

|  |  |
| --- | --- |
| **Na 136** | **Hb 89** |
| **K 4.5** | **Plt 96** |
| **Cl 112** | **WCC 11.2** |
| **Hco3 26** | **Hct 0.29** |
| **Ur 9.2** |  |
| **Cr 91** |  |
| **Bili 30** |  |
| **AST 153** |  |
| **ALT 94** |  |

What complication do you expect? (1 mark)

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What additional blood tests would help to confirm the diagnosis? (6 marks)

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| --- | --- |
| **Blood Test** | **Expected Finding** |
|  |  |
|  |  |
|  |  |

**The patient proceeds to have a seizure**

1. List three (3) immediate actions you would perform, including dosages where appropriate. (3 marks)

You diagnose eclampsia. List 4 ongoing treatments that are required? (4 marks)

List 4 features of magnesium toxicity. (4 marks)

Name the agent used to treat magnesium toxicity. (1 mark)