Fellowship 2017:2\_Psychiatry

**Question 1**

**A 44 year old man presents with “bizarre behaviour”. He was seen initially by the Mental Health Assessment Team who were concerned that his presentation may have an underlying organic cause**.

i) List 5 symptoms or signs that might suggest the presentation is more likely to be due to an underlying organic cause (5 marks)

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ii) List five (5) **different** categories of diagnosis, that can mimic psychiatric behavioural disturbances, for each type give a very specific example and an investigation that would be useful to prove that diagnosis. An example is given in the first row. (15 marks)

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| --- | --- | --- |
| **Diagnosis Type (5 marks)** | **Specific Diagnosis (5 marks)** | **Investigation (5 marks)** |
| **Metabolic** | **Hypercalcaemia due to pancoast tumour/PTHrp secretion** | **CMP/CXR** |
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**Question 2**

**A 76 year old man with early cognitive decline presents to emergency with confusion. He has not had any assessment of his dementia for several years and lives alone. The RMO is unsure whether he has progressive cognitive decline, delirium or a psychiatric presentation**

i) Complete the table below with the characteristic clinical features of each potential cause (24 marks)

|  |  |  |  |
| --- | --- | --- | --- |
| **Clinical Feature** | **Delerium** | **Dementia** | **Psychiatric** |
| **ONSET** |  |  |  |
| **COURSE OVER 24H** |  |  |  |
| **CONSCIOUSNESS** |  |  |  |
| **ATTENTION** |  |  |  |
| **COGNITION** |  |  |  |
| **HALLUCINATIONS** |  |  |  |
| **DELUSIONS** |  |  |  |
| **BODY MOVEMENTS** |  |  |  |

ii) He is climbing out of bed and has a high risk of falling. List five (5) measures that you can take to reduce the risk of harm caused by falling

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**Question 3**

**A 27 year old female presents after spending the weekend at a dance festival. She admits to the use of illicit drugs and alcohol. She has a history of depression and has been an antidepressant for 7 months. She feels like she is having a “come down” after a big weekend. She appears anxious and her face is flushed.**

**P 120**

**BP 170/110**

**Sats 97%**

**RR 32**

**Temp 38.1**

i) Complete the table below outlining the differences between the serotonin syndrome, NMS and anticholinergic syndrome (24 marks)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Serotonin Syndrome** | **Neuroleptic Malignant Syndrome** | **Anticholinergic Syndrome** |
| **Prescribed drug class responsible** |  |  |  |
| **Example of drug** |  |  |  |
| **Onset** |  |  |  |
| **Pupils** |  |  |  |
| **Skin** |  |  |  |
| **Neuromuscular Tone** |  |  |  |
| **Reflexes** |  |  |  |
| **Mental Status** |  |  |  |

ii) List three (3) potential complications of severe serotonin syndrome (3 marks)

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iii) List one drug to treat each of the toxidromes mentioned in the table in part i)

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**Question 4**

**A 21 year old man with a recent diagnosis of schizophrenia presents with a behavioural disturbance. He has been found wrapped in tin foil lying in a neighbours shed. He is agitated in the triage area where there are several children waiting to be seen. Verbal de-escalation has failed and he is refusing to come to the psychiatric assessment room or take any oral medications.**

i) For each facet of the mental state exam in the table below, give one (1) finding that could suggest acute psychosis in the context of a known schizophrenic patient. (7 marks)

|  |  |
| --- | --- |
| **Mental State Exam Category** | **Findings** |
| Appearance |  |
| Behaviour |  |
| Mood |  |
| Perceptions |  |
| Thought |  |
| Congnition |  |
| Insight |  |

ii) The patient requires chemical sedation for his own, and the safety of others. In the table below list six (6) measures you will take to increase the safety of this procedure, giving details for each (12 marks)

|  |  |
| --- | --- |
| **Safety Measure (6 marks)** | **Details (6 marks)** |
|  |  |
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**Question 5**

**A 72 year old man is brought in by police after his neighbours found him intoxicated in a barn with a gun. He has longstanding untreated depression.**

i) List five (5) major risk factors for suicidal behaviour in the elderly that you will explore in your assessment of this man (5 marks)

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ii) The man claims that he feels better and wants to go home, you are concerned that he requires assessment under the mental health act. List the four (4) criteria he must meet to be legally involuntarily detained on the grounds of mental illness (4 marks)

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iii) After an overnight stay in the Short Stay Unit, he is assessed by the mental health team who feel his suicide risk is low. List five (5) factors that need to be considered in term of safe discharge planning for this man (5 marks)

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**Question 6**

**A 12 year old girl presents with her school friend. She has been cutting her thighs with a razor blade and is covered in blood. She doesn’t want her parents to be called. She states that she hasn’t seen them for 2 weeks and “they won’t care anyway”. She has multiple bruises and appears to have subtle jaundice. She has a flat affect and won’t make eye contact.**

**P 120**

**BP 90/60**

**Sats 99%**

**T 37.2**

**RR 24**

i) List the 4 (four) broad priority issues that you need to address (4 marks)

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ii) List six (6) features that you will seek on **physical examination** to risk stratify this child’s presentation (6 marks)

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iii) List six (6) features you will seek in the mental health assessment that would indicate a high risk for suicide (6 marks)

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**Question 7**

**A 15 year old girl presents after not eating for 3 days, she states that she is trying to starve herself to death because someone has repeatedly physically and sexually assaulted her. She is tearful and withdrawn. Her father is a single parent and she has a younger sibling. Her father is en route to the hospital. She won’t disclose who assaulted her. The sexual assault team have been called**

i) List the ten (10) issues that will need to be addressed in this child by the ED and sexual assault team (10 marks)

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ii) When her father arrives he wants to take her home. She refuses to see him “because she is embarrassed”. How will you manage the father (4 marks)

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iii) The child attempts to run from the department but has been blocked by the safety officer and is sitting on the waiting room floor crying. List 5 steps you will take in managing this situation (6 marks)

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**Question 8**

**A 45 year old man presents to ED requesting alcohol detox. His GP has given him some diazepam tablets but he wants to be admitted to hospital. He is 140kg.**

ii) List six (6) features on assessment that will help you to risk assess his potential for dangerous alcohol withdrawal which will help you to determine whether he needs inpatient management (6 marks)

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ii) The patient absconds from ED after waiting for 3 hours in the waiting room, to be seen. He is found with a reduced level of consciousness in the car park a few hours later. His observations are within normal limits. List the six (6) **MOST LIKELY** differentials that you will consider with reasoning for each (6 marks)

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iii) He has a GCS of 6 and is currently in the resus room with 2 lines and non-invasive monitoring. List your eight (8) actions in the next hour (8 marks)

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