



Global Function

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Table 1: Encephalopathy

Differential list for encephalopathy

Neoplastic	<ul style="list-style-type: none">• Pheochromocytoma• Leptomeningeal carcinomatosis
Infectious	<ul style="list-style-type: none">• Sepsis (DIC)• PML• HIV associated encephalopathy• Encephalitis• Meningitis• Cerebral malaria
Vascular	<ul style="list-style-type: none">• Malignant hypertension• Acute intracranial hypotension• Binswanger's disease• Vasculitis• Ischemia
Endocrine	<ul style="list-style-type: none">• Hypoglycemia• Hyperosmolar nonketotic coma• Diabetic ketoacidosis• Thyrotoxicosis• Myxedema coma• Pituitary apoplexy• Cushing's disease• Addison's disease
Metabolic	<ul style="list-style-type: none">• Carbon dioxide narcosis• Hepatic encephalopathy

	<ul style="list-style-type: none"> • Uremia • Dehydration (electrolyte anomalies) • Porphyria • Maple syrup urine disease • Lactic acidosis • Hypovitaminosis B12 • Hyponatremia • Hypernatremia • Hypercalcemia
Toxic	<ul style="list-style-type: none"> • Ethanol • Wernicke's encephalopathy • Opiates • Heroin • Amphetamines • Barbiturates • LSD • Phenothiazines • TCA • Digoxin • Anticholinergics • Methotrexate • Methanol • Paraldehyde • Cyanide • Heavy metals • Organophosphates • Steroids
Miscellaneous	<ul style="list-style-type: none"> • Post-traumatic • Pugilistic encephalopathy • Post-radiation • Sturge-Weber syndrome (late) • Status epilepticus

Table 2: Unconscious Patient

Differential list for a patient found to be unconscious

Neoplastic	<ul style="list-style-type: none"> • Primary • Metastatic
Vascular	<ul style="list-style-type: none"> • Cardiogenic syncope (arrest, arrhythmia, outflow obstruction) • Hypovolemic shock • Anaphylactic shock • Infarction (arterial, venous) • Hypoxia • Anemia (CO, methemoglobin) • Cerebral edema • Hemorrhage (epidural, subdural, intracerebral, SAH) • Hyperviscosity • Vasculopathy (SLE)
Infectious	<ul style="list-style-type: none"> • Meningitis • Encephalitis • CJD • DIC • Abscess • Subacute bacterial endocarditis
Endocrine	<ul style="list-style-type: none"> • Hypoglycemia • Hyperosmolar nonketotic coma • Diabetic ketoacidosis • Thyrotoxicosis • Myxedema coma • Pituitary apoplexy • Cushing's disease • Addison's disease
Metabolic	<ul style="list-style-type: none"> • Adrenoleukodystrophy • Carbon dioxide narcosis • Hepatic encephalopathy • Uremia • Porphyria

Toxic	<ul style="list-style-type: none"> • Ethanol • Methanol • Opioids • Heroin • LSD • TCA and anticholinergics • Barbiturates • Amphetamines • Digoxin • Cyanide • Steroids • Organophosphates
Inflammatory	<ul style="list-style-type: none"> • PML
Miscellaneous	<ul style="list-style-type: none"> • Trauma • Epilepsy (post-ictal) • Conversion hysteria • Malingering

Table 3: Coma

Differential list for causes of coma

Neoplastic	<ul style="list-style-type: none"> • Primary (progressive onset) • Metastatic (progressive onset) • Intralesional hemorrhage (acute onset)
Vascular	<ul style="list-style-type: none"> • Infarction (ischemic, hemorrhagic) • Hemorrhage (subdural, epidural, intracerebral) • Hypertensive encephalopathy
Infectious	<ul style="list-style-type: none"> • Abscess • Bacterial / Viral encephalitis or meningitis
Endocrine	<ul style="list-style-type: none"> • Adrenal insufficiency • Hyperthyroidism / Hypothyroidism

Metabolic	<ul style="list-style-type: none"> • Hyponatremia / Hypernatremia • Hypoglycemia / Hyperglycemia • Uremia
Toxic	<ul style="list-style-type: none"> • Ethanol • Methanol • Opioids • Heroin • LSD • TCA and anticholinergics • Barbiturates • Amphetamines • Digoxin • Cyanide • Steroids • Organophosphates

Table 4: Coma-Like States

The syndromes mimicking a comatose state

Locked-In Syndrome
Akinetic Mutism
Apallic Syndrome
Persistent Vegetative State

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