

CHRONIC TRAUMATIC ENCEPHALOPATHY vs. POST TRAUMATIC ENCEPHALOPATHY
 Both entities are sequelae of Traumatic Brain Injury (TBI)

CHRONIC TRAUMATIC ENCEPHALOPATHY	POST TRAUMATIC ENCEPHALOPATHY
<ul style="list-style-type: none"> • NEURODEGENERATIVE, PROGRESSIVE disorder induced usually by repetitive mild TBI (concussion/subconcussion). 	<ul style="list-style-type: none"> • NON NEURODEGENERATIVE, NON PROGRESSIVE disorder caused usually by single episode of severe TBI.
<ul style="list-style-type: none"> • Pathogenesis- microtubule destabilization and tau hyperphosphorylation by TBI induced kinases. 	<ul style="list-style-type: none"> • Pathogenesis- Persistent neurological deficits induced by contusions/hemorrhage/hypoxic-ischemic injury/necrosis after focal or diffuse TBI.
<ul style="list-style-type: none"> • Clinical features- cognitive deficits and mood disorders. 	<ul style="list-style-type: none"> • Clinical features- Post traumatic Epilepsy and focal neurological deficits.
<ul style="list-style-type: none"> • Pathology - Gross examination: normal or mild atrophy. • Microscopy- tau positive Neurofibrillary tangles and neuritic threads. 	<ul style="list-style-type: none"> • Pathology- Gross examination: necrosis, cavitation, scarring. • Microscopy- activation of microglia and infiltration by histiocytes.