

(CIP (Congenital insensitivity to pain

Congenital insensitivity to pain is a condition that inhibits the ability to perceive physical pain.
.From birth, affected individuals never feel pain in any part of their body when injured

People with this condition can feel the difference between sharp and dull and hot and cold,
.but cannot sense

For Example, when they are touching a hot thing or a cold thing Also They can't distinguish
. it

. So they can't understand How dangerous is that

CIP is considered a form of peripheral neuropathy because it affects the peripheral nervous
system, which connects the brain and spinal cord to muscles and to cells that detect
.sensations such as touch, smell, and pain

Frequency: CIP is the rare condition about 20 cases have been reported in the scientific
.literature

Causes : there is mutations SCNPA gene cause CIP a part of sodium channel and transfer
sodium atoms into cells and play a key role in a cell's ability to generate and transmit
. electrical signals. Sodium called NaV.17

: inherited

The condition is inherited in an autosomal recessive pattern, which means both copies of
the gene in each cell have mutations. The parents of an individual with an autosomal
recessive condition each carry one copy of the mutated gene, but they typically do not show
.signs and symptoms of the condition

:treatment

Giving naloxone (an opioid antagonist) helped a woman feel pain for the first time. Similar
effects were observed in mice (with Nav1.7 inactivated) when treated with naloxone.
Therefore, opioid antagonists such as naloxone and naltrexone may be effective in treating
.the condition

:Other name of this condition

Asymbolia for pain *

Channelopathy-associated insensitivity to pain *

CIP *

Congenital *

Congenital indifference to pain *

Congenital pain indifference *

Indifference to pain, congenital, autosomal recessive *

Pain insensitivity, congenital *

:Reference

Dabby R. Pain disorders and erythromelalgia caused *

Written by Seham Alamri