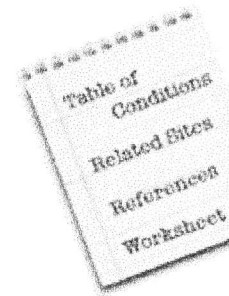




## Cell and Tissue System: Post-Polio Syndrome



### Overview

Acute poliomyelitis is a systemic infectious disease of widely varying severity that predominantly affects the central nervous system and is sometimes complicated by paralysis. Post Polio Syndrome is a secondary disability of poliomyelitis that sometimes occurs later in life (as much as 30-40 years after acute polio) and of varying symptomology. Symptoms include unaccustomed fatigue, new muscle weakness, muscle spasms, respiratory difficulties, sleeping problems and extreme sensitivity to cold. Individuals who are struck with post polio syndrome often face major lifestyle changes due to a decrease in their level of independence.

### Disabling conditions related to Post Polio Syndrome:

loss of physical strength in previously "good" limbs including previously affected limbs and musculature, as well as increasing levels of fatigue

Potential for disuse syndrome: related to prolonged inactivity secondary to sensorimotor deficits.

Potential for trauma: related to muscle spasms and weakness.

Potential for respiratory problems: related to weak chest muscles and reduced lung capacity.

Self-care deficit: potential for inability to perform ADL related to spasms, tremors, weakness, paresis, or paralysis, secondary to sensorimotor deficits.

Potential for injury: related to increased levels of fatigue, joint and muscle weakness.

Sensory alterations: related to atrophy of muscles.

Pain: related to muscle spasms or joint pain, secondary to weakness in outlying protective muscles.

Potential for altered family functioning: due to magnitude, prognosis of and adjustment to disease.

Potential for altered cognitive processes: related to "mental fatigue".

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