



Dr. Henry writes about pain and temperature perception

The perception of pain, temperature, touch, and proprioception (or one's position in space like standing still with your arms outstretched, eyes closed and still have ability to touch your nose with your forefinger, one of the tests for drunkenness) are all functions of the central nervous system (brain and spinal cord). The polio virus attacked the central nervous system and may have done more damage to this system than originally thought because of the great recoveries. For example, some polio victims in the acute phase had incontinence or had urinary retention and required temporary catheterization. President Roosevelt was catheterized for about two weeks by wife Eleanor with a glass catheter and amazingly did not get a bladder infection. The virus attacked the gastrointestinal system. Post mortem exams of victims prior to Salk often revealed brain involvement (basal ganglia and reticular activating system) beyond the brain stem (where swallowing and breathing centers are located), and thus I believe we PPSers are vulnerable to a variety of CNS symptoms as is daily expressed on the various postings here. Circulation only effects temp when there is an impairment of circulation as occurs when one has a vessel occlusion or even after death. External coldness can gradually slow circulation and lead to eventual circulatory problems and death as being frozen.

I have noticed on this list service that some have various sensitivity problems such as reduced peripheral [sic] sensation of the skin and the opposite such as burning sensation of the skin. Some complain of blurred vision, tinnitus (ringing in the ears), reduced taste, swallowing problems, breathing problems, all kinds of motor and pain problems and some spasms or twitching of various muscles. I believe we are vulnerable to any symptom that is stimulated by the CNS. I believe that Salk and Sabin put an end to the natural history of polio or the study of polio's complete pathogenesis. Some researchers such as Richard Bruno are developing theories about these many symptoms and their relatedness to the original infection.

Enough said for now.

Henry Holland, Richmond., Virginia, USA. Henry4FDR@aol.com

5th February 1997

[▲ Top of Article ▲](#)

[Content Catalogue](#)

[Source Catalogue](#)

[Reception](#)

[Library](#)

[Networking](#)

[Directory](#)

[What's New?](#)

[The Lincolnshire Post-Polio Network](#)

Registered Charity No. [1064177](#)

An Information Service for Polio Survivors and Medical Professionals

All enquiries, book requests, medical article requests, membership fees, items for newsletters and donations to

The Secretary, Lincolnshire Post-Polio Network

PO Box 954, Lincoln, Lincolnshire, LN5 5ER United Kingdom

Telephone: [+44 \(0\)1522 888601](tel:+44(0)1522888601)

Facsimile: [+44 \(0\)870 1600840](tel:+44(0)8701600840)

Email: info@lincolnshirepostpolio.org.uk

Web Site: www.lincolnshirepostpolio.org.uk

The Lincolnshire Post-Polio Network takes great care in the transcription of all information that appears at this site. However, we do not accept liability for any damage resulting directly or otherwise from any errors introduced in the transcription. Neither do we accept liability for any damage resulting directly or otherwise from the information available at this site. The opinions expressed in the documents available at this site are those of the individual authors and do not necessarily constitute endorsement or approval by the Lincolnshire Post-Polio Network.

© The Lincolnshire Post-Polio Network 1997 - 2010.

© Copyright Henry Holland [1997 1998 1999 2000](#).

Copyright is retained by The Lincolnshire Post-Polio Network and/or original author(s). Permission is granted to print copies of individual articles for personal use provided they are printed in their entirety. Links from other Internet WWW sites are welcome and encouraged. We only ask that you let us know so that we can in future notify you of critical changes. Reproduction and redistribution of any articles via any media, with the exception of the aforementioned, requires permission from The Lincolnshire Post-Polio Network and where applicable, the original author(s).

Document preparation: Chris Salter, [Original Think-tank](#), Cornwall, United Kingdom.

Created: 6th February 1997

Last modification: 24th January 2010.

