Symposium C. So-Called "Whiplash Injury"

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S-C-1. So-Called "Whiplash Injury"

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S-C-2. "Whiplash Injury", Clinical and Experimental Study

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In the past few years, there have been a remarkable increase in whiplash injured patients visiting our Outpatient Clinic. The total number of our series numbers 192 cases in the past year and a half, 158 male cases and 37 female cases. Majority of these cases are in their twenties to forties. Because of the specific nature of the University Outpatient Clinic, they visited in their subacute to chronic stages for re-evaluation of their conditions.

As to the cause of injury, 191 cases were hit from behind and 4 cases of nontraffic accident. Their complaints varied from nuchal pain, headache, stiffness of shoulder, pain or numbness of upper limbs, weakness of upper limbs to vertigo, nausea, or other multiple minor complaints.

Examinations revealed positive findings in 57 cases or 29%. X-rays of cervical spine were made, and 71 or 48% showed positive findings, most of them showed reduction of physiological lordotic curvature of the cervical spine and spondylotic changes. 37 cases were subjected to functional cervical spine x-ray examination, and 67% showed positive findings. By this means, not only static changes, but also dynamic abnormalities such as instability or ankylosis of cervical spine were found.