44. Pathomorphological Studies on the Brain of so-called "Closed Head Injury" (1st Report)

Michio INUI
Tokyo-to Medical Examiner Office and Department of Pathology,
Juntendo University School of Medicine

Masatoshi MOROOKA and Yohsuke ARAI
Department of Surgery, Juntendo University, School of Medicine

Recently, the cases of head injury are increasing in our neurological field in Japan. In the clinico-pathological stand-points, of Tokyo-To Medical Examiner Office, we shall report our studies.

In 418 necropsy cases of head injury during 1959 to 1963, we selected recently 206 cases of head injury for our studies.

According to the fracture and superficial vascular injury, we divided into 6 types, in all.

These are following:

I. No fracture and no superficial vascular injury.
II. No fracture with superficial vascular injury.
III. Linear fracture without superficial vascular injury.
IV. Linear fracture with superficial vascular injury.
V. Depressed fracture without superficial vascular injury.
VI. Depressed fracture with superficial vascular injury.

We observed some patho-morphological findings in relation to epidural hemaoma, subdural hematoma and superficial pathological changes of the brain.

Especially, the cases of progressive white matter degeneration, selective nuclear bleeding and other secondary changes included post-traumatic suppurative changes, apoplexia and brain purpura etc, were discussed.