損傷の微視的系統的検査法に関する研究

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1993 Fiscal Year Final Research Report Summary

Medico-Legal Study on the Systematic and Microscopic Procedure for Wound Examination

Research Project

Project/Area Number

04454229

Research Category

Grant-in-Aid for General Scientific Research (B)

Allocation Type

Single-year Grants

Research Field

Legal medicine

Research Institution

Kanazawa University

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Project Period (FY)

1992 – 1993

Keywords

Forensic Pathology / Wound examination / Operation microscope / Vital reactions / Immunohistochemistry / Wound age / Interleukin-1

Research Abstract

Wound examination is of prime importance in forensic pathology, and forensic pathologists are often required to assess how a wound was made and with which type of weapon. Furthermore, like the time of death, it is always main problem at autopsy to determine objectively whether a wound was

ante-mortem or post-mortem, and if ante-mortem, how long before death it had been sustained. The purpose of this study is establishment of a microscopic and systematic procedure for wound examination in order to detect and record wounds of various kinds, and also to estimate skin wound age more accurately and objectively.
1.Medico-legal study on the microscopic wound examination procedure
Human skin wounds were microscopically observed by the use of a binocular operation microscope in forensic autopsy cases. In result, wound examination using the operation microscope is particularly useful in the determination of the direction of impact in abrasions, differentiation between lacerations and incised wound ···▾ More

Research Products (10 results)

All Other

All Publications (10 results)

[Publications] 大辻雅彦,大島徹 他: "特徴的身体所見に基づいて個人識別をなし得た5司法解剖例" 法医学の実際と研究. 36. 139-145 (1993)

[Publications] 近藤稔和,大島徹 他: "皮膚損傷の受傷後経過時間判定に関する実験的研究-インターロイキン1α,コラーゲンI,フィブロネクチンを指標として-" 医学のあゆみ. 171. 715-716 (1994)

[Publications] 近藤稔和,大島徹 他: "歩行者対自動車事故にみられた特徴的形態を有する損傷-3自験例について-" 法医学の実際と研究. 37. 217-222 (1994)

[Publications] Kondo T,Ohshima T: "A fatal case of traumatic subarachnoid hemorrhage due to minor head trauma." Medicina Legalis Baltica,. (in press).

[Publications] Kondo T,Ohshima T: "Experimental study on the estimation of skin wound age after injury by immunostaining interleukin1α,collagen type I and fibronectin.In Rechtsmedizinische Forschungsergebnisse edited by M.Oehmichen" Verlag Schmidt-Romhild.Lubeck.Germany(in press),

[Publications] Ohtsuji M.Ohshima T et al.: "Five cases of personal identification based on characteristic physical findings in medico-legal autopsies (in Japanese with English abstract)" Res.Pract.Forens.Med.36. 139-145 (1993)

[Publications] Kondo T.Ohshima T: "Experimental study on the estimation of skin wound age after injury by the use of immunostaining interleukin 1alpha, collagen type I and fibronectin.(in Japanese)" J.Clinical and Experimental Medicine. 171. 715-716 (1994)

[Publications] Kondo T.Ohshima T et al.: "Three cases of morphologically characteristic injuries of pedestrians in motor vehicle accidents.(in Japanese with English abstract)" Res.Pract.Forens.Med.37. 217-222 (1994)

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[Publications] Kondo T.Ohshima T: "A fatal case of traumatic subarachnoid hemorrhage due to minor head trauma." Medicina Legalis Baltica.(in press). 5-6 (1994)

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