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NOTES	2nd proposal - Cerebral palsy 4/19
FOUND BY/DATE FOUND	R. Lanza 3/11/45

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SAN FRANCISCO: MEDICAL SCHOOL  
UNIVERSITY HOSPITAL

11 December 1953

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 versity of California, 34720.

President Robert G. Sproul  
University of California  
Berkeley 4, California

Dear President Sproul:

Attached is an application for a grant-in-aid in the amount of \$ 21,255.08 submitted by Doctor Nathan Malamud, Associate Clinical Professor of Psychiatry and Neuropathology, to the U. S. Public Health Service, for the purpose of conducting an "Etiological and Diagnostic Study of Cerebral Palsy." This application has my approval.

This identical project was submitted in October, 1952, with a budget of approximately \$ 43,850.12. This previous application was denied, however, the principal investigator was advised that it would be reconsidered if it could be done on a reduced budget. Accordingly, the application is being resubmitted with a considerably reduced budget. The principal investigator has requested that if, in view of its being reviewed by the Regents last year, it can be forwarded to the Public Health Service without Regents' consideration, as soon as possible.

The material is to be forwarded in the envelope provided to the Division of Research Grants, National Institutes of Health, Bethesda 14, Maryland. A typewritten copy is included for your files.

Very sincerely yours,

*Francis Scott Smyth*  
Francis Scott Smyth, M. D.  
Dean

I concur:

*Stanley C. Bateman*  
Stanley C. Bateman,  
Business Manager

cc: Dr. E. Jawetz

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NOTES	2nd proposal: Cerebral Palsy Sat 19
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Berkeley, CA 94720.

AN ETIOLOGICAL AND DIAGNOSTIC STUDY OF CEREBRAL PALSY

It is proposed to investigate patients with cerebral palsy at Sonoma State Hospital from the historical, genetic and clinical points of view and to correlate the data with a pathological study in such cases that have come to autopsy. The aims of the study are: 1) Etiological: to investigate the various causative factors operating in the production of cerebral palsy, viz. to determine the respective roles of genetic and intrauterine factors, that of birth trauma, and/or asphyxia, the effects of Rh incompatibility, the role of pre- and post-natal infections etc., in the etiology of the various types of cerebral palsy, and 2) Diagnostic: to record the clinical signs and symptoms; the results of various laboratory tests, particularly electroencephalographic, pneumoencephalographic, and angiographic tests; and the results of various psychological examinations with the object of outlining criteria for clinical diagnosis.

It is proposed to carry out the above study through an organized team consisting of a neurologist, a clinical psychologist, a psychiatric social worker, a consultant geneticists, and a neuropathologist.

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DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE  
Public Health Service  
National Institutes of Health  
**NOTICE OF RESEARCH PROJECT**

Submitted to: Public Health Service, National Institutes of Health, Div. of Research Grants, Bethesda 14, Maryland.

**Title of Project:**  
AN ETIOLOGICAL AND DIAGNOSTIC STUDY OF CEREBRAL PALSY

**Names, Departments, and Official titles of Principal Investigators and all other Professional Personnel engaged on the project:**

- |                            |  |
|----------------------------|--|
| 1. N. Malmud, M.D.         | Associate Clin. Prof. of Psychiatry and Neuropathology |
| 2. E. Davis Roadruck, M.D. | Clinical Instructor in Psychiatry                      |
| 3. Thomas L. Nelson, M.D.  | Instructor in Pediatrics.                              |

**Name and Address of Applicant Institution:**  
University of California School of Medicine, Division of Psychiatry  
The Langley Porter Clinic, Parnassus and First Avenues, San Francisco 22, California

**SUMMARY OF PROPOSED WORK**

It is proposed to investigate patients with cerebral palsy at Sontag State Hospital from the historical, genetic and clinical points of view and to correlate the data with a pathological study in such cases that have come to autopsy. The aims of the study are: 1) **Etiological:** to investigate the various causative factors operating in the production of cerebral palsy, viz., to determine the respective roles of genetic and intrauterine factors, that of birth trauma, and/or asphyxia, the effects of Rh incompatibility, the role of pre- and post-natal infections, etc., in the etiology of the various types of cerebral palsy, and 2) **Diagnostic:** to record the clinical signs and symptoms; the results of various laboratory tests, particularly electroencephalographic, pneumoencephalographic, and angiographic tests; and the results of various psychological examinations with the object of outlining criteria for clinical diagnosis.

It is proposed to carry out the above study through an organized team consisting of a neurologist, a clinical psychologist, a psychiatric social worker, a consultant geneticist and a neuropathologist.

BEST COPY AVAILABLE

Signature of Principal Investigator \_\_\_\_\_

University of California School of Medicine

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