

12th February 1935.

-8-

The Josiah Macy Jr., Foundation,

565 Park Avenue, New York City.

New York City.

Dear Sirs,

We have begun to treat certain types of headache surgically with some success. Post-traumatic headache we have learned to treat by spinal and direct insufflation of air in such a way as to relieve the adhesions which occur in these cases in the subdural space. We have relieved a certain group of patients whose headaches were due to increased calcification of the inner table of the skull by incision of the dura and by ligation of the veins next to the longitudinal sinus. We have relieved certain unilateral cases of migraine by superior cervical sympathectomy continued with partial section of the posterior root fibers of the fifth nerve.

In a large number of craniotomies carried out under local anaesthesia we have stimulated various areas within the cranial cavity and, thanks to the patients' co-operation have identified the sensitive areas within the cranial cavity and the site at which such stimulation produced pain.

For the future we have a good deal of work in mind in regard to various types of headache. One specific problem is the study of nerve endings in the sinuses and tracing out more definitely the nerve supply of the intracranial sensitive areas mentioned above. A young man is available and capable of carrying out this work but for whom I must secure a fellowship. As my general budget has been curtailed \$10,000. it is no longer possible for me to take on any new men. A further need of financial aid comes from the desire to keep suitable headache patients in the hospital for intensive study for longer periods than they can afford. A clinical fund is needed for this purpose.

12th February 1935.

-2-

The Josiah Macy Jr. Foundation

I estimate that to carry out the immediate investigations which we have in mind on the subject of headache about five thousand dollars would be required. If you should decide that you can give us assistance we will do our best to see that your confidence is not misplaced.

Dear Sirs,
Yours sincerely,

We have begun to treat certain types of headache surgically with some success. Post-traumatic headache we have learned to treat by spinal and direct infiltration of air in such a way as to relieve the adhesions which occur in these cases in the subdural space. We have relieved a certain group of patients whose headaches were due to increased calcification of the inner table of the skull by incision of the dura and by ligation of the veins next to the longitudinal sinus. We have relieved certain unilateral cases of migraine by superior cervical sympathectomy continued with partial section of the posterior root fibers of the fifth nerve.

In a large number of craniotomies carried out under local anesthesia we have stimulated various areas within the cranial cavity and, thanks to the patients' co-operation have identified the sensitive areas within the cranial cavity and the site at which such stimulation produced pain.

For the future we have a good deal of work in mind in regard to various types of headache. One specific problem is the study of nerve endings in the sinuses and tracing out more definitely the nerve supply of the intracranial sensitive areas mentioned above. A young man is available and capable of carrying out this work but for whom I must secure a fellowship. As my general budget has been curtailed \$10,000. it is no longer possible for me to take on any new men. A further need of financial aid comes from the desire to keep suitable headache patients in the hospital for intensive study for longer periods than they can afford. A clinical fund is needed for this purpose.