

**A PRACTICAL TREATISE ON
TUMORS OF THE MAMMARY
GLAND: EMBRACING THEIR
HISTOLOGY, PATHOLOGY,
DIAGNOSIS, AND TREATMENT**

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A Practical Treatise on Tumors of the Mammary Gland: Embracing Their Histology, Pathology, Diagnosis, and Treatment by Samuel W. Gross

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SAMUEL W. GROSS, A. M., M. D.,

SURGEON TO, AND LECTURER ON CLINICAL SURGERY IN, THE JEFFERSON MEDICAL
COLLEGE HOSPITAL AND THE PHILADELPHIA HOSPITAL; PRESIDENT OF THE
PATHOLOGICAL SOCIETY OF PHILADELPHIA; FELLOW OF, AND FOR-
MERLY RUTTEN LECTURER ON SURGICAL PATHOLOGY IN, THE
COLLEGE OF PHYSICIANS OF PHILADELPHIA; FELLOW
OF THE ACADEMY OF SURGERY OF
PHILADELPHIA, ETC.

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1880

TO

SAMUEL D. GROSS, M.D., LL.D., D.C.L. Oxon.,
PROFESSOR OF SURGERY IN THE JEFFERSON MEDICAL COLLEGE,

THIS VOLUME,

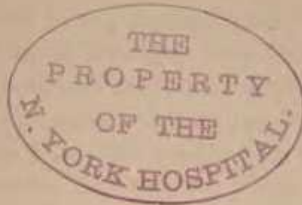
DESIGNED TO RECONCILE THE CLINICAL FEATURES AND THE MINUTE

STRUCTURE OF TUMORS OF THE MAMMARY GLAND,

IS AFFECTIONATELY INSCRIBED

BY HIS SON,

THE AUTHOR.



P R E F A C E .

MODERN histological researches have so completely revolutionized our knowledge of the various new formations that, so far as I know, tumors of the mammary gland have not, up to the present time, constituted the subject of a systematic and strictly accurate treatise. To fill this void, I have studied their minute structure, investigated their general pathology, and applied the principles which are fairly deducible from their anatomy and their history to their differential diagnosis and to their rational treatment. As the deductions founded upon the older statistics are of little or no value, I have, with the view of harmonizing structural with clinical observations, examined the entire subject anew, and have carefully analyzed sixty-five cases of cysts and nine hundred and two neoplasms, the nature of which has been confirmed by the microscope, and more than one-seventh of which are original.

Not the least important part of the work is that in which the view is sought to be maintained by an abundant array of facts, that carcinoma may be permanently relieved by thorough operations practised in the early stage of its evolution. I am aware that this doctrine will not meet with general acceptance on the part of those purely mechanical surgeons who believe that freedom from recurrence denotes an innocent neoplasm. In every case of final recovery mentioned in this treatise, however, the diagnosis was based upon minute examinations conducted by trustworthy microscopists, whose reports have been utilized in this inquiry to the exclusion of the descriptions of the early writers on carcinoma.

To place the subject of tumors of the mammary gland in the clearest possible light, and to afford material assistance in their differentiation, I have interspersed through the text drawings of their minute features, made, with the aid of the camera, principally from my own specimens, so as to leave no doubt as to their true nature. For all of these drawings, with the exception of figs. 2 and 6, which are from the pencil of Assistant-surgeon W. B. Brewster, U. S. Army, and of fig. 10, which was kindly furnished me by Dr. W. B. Nanerede of this city, I am indebted to Dr. E. O. Shakespeare, one of the accomplished translators of Cornil and Ranvier's "Manual of Pathological Histology." For figs. 3,

4, and 25, taken from wet specimens, I have to express my obligations to Dr. S. E. James, formerly Resident Physician in the Jefferson Medical College Hospital. The remaining illustrations are from photographs of my private and public cases.

S. W. GROSS.

1112 WALNUT STREET, PHILADELPHIA, JUNE, 1880.

