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General Secretary for India and the East,
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Original Communications.

PRECIS OF OPERATIONS PERFORMED IN THE WARDS OF THE FIRST SURGEON, MEDICAL COLLEGE HOSPITAL, DURING THE YEAR 1890.

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VI. B.—NON-MALIGNANT TUMOURS.

1a. *Elephantiasis of the Prepuce.*—Hindu male, *æt.* 30. Disease of two years' duration. The hypertrophied prepuce was pulled forwards, the preputial cavity entered by scissors from below and the removal of the mass completed by clipping forwards on each side at the level of the corona glandis. The skin and mucous membrane were stitched together with horse-hair. The wound healed by first intention in 14 days.

1b. *Elephantiasis of the scrotum.*—i. Hindu male, *æt.* 32. Uncomplicated case of seven years' duration. Health good. The tumour which weighed 14lbs., was removed by Assistant Surgeon Syama Nirod Das Gupta in the usual manner. Both tunicae contained fluid, and the membrane which had become cartilaginous had to be dissected and scraped off the surface of the testes. Made a satisfactory recovery in 66 days.

ii. Mahomedan male, *æt.* 55. Uncomplicated case of twelve years' duration; health good. Usual operation. Tumour weighed 7lbs. 8oz. Right tunica contained a little fluid. Wound remained aseptic and healed in 53 days.

iii. Hindu male, *æt.* 45. Uncomplicated. Five years' duration. Health good. Usual operation; weighed 15lbs. Made a good recovery in 56 days.

iv. Hindu male, *æt.* 32. Uncomplicated. Ten years' duration. Health good. Removed by Assistant Surgeon Syama Nirod Das Gupta in the usual manner. Weighed 10lbs. Right tunica contained some fluid. Wound remained aseptic. Discharged in 65 days.

v. Hindu male, *æt.* 34. Small tumour, weighing 3lbs., of nine years' duration. Health fair. Removed in the usual manner. Both tunicae

contained fluid. Left, thick and degenerated, had to be removed. Wound remained aseptic, but healed slowly. Discharged in 96 days after operation.

vi. Hindu male, *æt.* 32. Small tumour, weighing 4lbs., of three years' growth. Health good. Usual operation. Both tunicae contained a little fluid. An operculum cut in each. Discharged in 42 days.

vii. Hindu male, *æt.* 28. Large right hydrocele covered with hypertrophied scrotum. Latter only removed, weighed 1lb. 4½oz.; penis not decorticated, tunicae excised, testes pocketed, and wound carefully stitched. Healed kindly in 42 days.

viii. Hindu male, *æt.* 40. Uncomplicated. Tumour weighing 7lbs., of three years' duration. Health good. Removed by Assistant Surgeon Syama Nirod Das Gupta. Wound healed aseptically in 79 days.

ix. Hindu male, *æt.* 35. Large preputial and small scrotal tumour of ten years' growth. Penis 15 inches long and 10 inches in circumference. Health fair. The hypertrophied parts, weighing 3lbs., were removed in the usual way. The man became demented during convalescence, but recovered before discharge which took place in 84 days.

x. Mahomedan male, *æt.* 30. Tumour weighing 12lbs., of three years' growth. Health good. Usual operation. Right tunica contained a large quantity of fluid. Recovered in 64 days.

xi. Mahomedan male, *æt.* 35. Admitted with a scrotal tumour of fifteen years' growth and an inflamed hydrocele. Penis not diseased. The inflammation subsided under treatment in a few days, and the hypertrophied scrotum which weighed 5lbs. 7oz. was removed. Both tunicae contained fluid, left sanguineous. Penis not decorticated, became œdematous after operation, but regained normal size. Parts healed aseptically in 53 days.

xii. Hindu male, *æt.* 50. Scrotal tumour and left hydrocele of seven years' duration. Penis healthy. Operation as in last case. Weighed 4lbs. Recovered in 44 days.

xiii. Hindu male, *æt.* 45. Uncomplicated. Tumour weighing 19lbs., of three years' growth. Health good. Usual operation. Recovery in 54 days.

xiv. Hindu male, *æt.* 30. Large left hydrocele containing 2½lbs. of fluid, and scrotal tumour weighing 4lbs. Tumour removed, and tunica paired off by Assistant Surgeon Syama Nirod Das Gupta. Wound healed in 61 days.

xv. Hindu male, *æt.* 24. Small tumour of two months' growth weighing 1¼lbs. Usual operation. Fluid in both tunicae. Discharged in 72 days.

xvi. Hindu male, *æt.* 30. Small tumour of fourteen years' duration. No fluid in tunicae. Usual operation. Recovered in 54 days.

xvii. Mahomedan male, *æt.* 38. Tumour weighing 3lbs. 8oz., of four years' growth. Removed by Dr. Pilgrim. Recovered in 60 days.

xviii. Hindu male, *æt.* 45. Scrotal tumour of twenty-two years' growth, weighing 3lbs. 3oz. Right tunica contained 32oz. of fluid; left a little. Usual operation. Recovered in 75 days.

xix. Hindu male, *æt.* 35. Tumour weighing 2lbs. 13oz., of fourteen years' growth. Health bad. Very large spleen. Removed by Assistant-Surgeon Syama Nirod Das Gupta in the ordinary way. Right tunica contained 20oz. and left 40oz. of fluid. Had persistent fever for eighteen days, but made a good recovery in 59 days.

xx. Hindu male, *æt.* 35. Tumour weighing 1lb. 15oz., of twenty years' growth. Usual operation by Assistant-Surgeon Syama Nirod Das Gupta. Tunicae adherent. Discharged in 74 days.

xxi. Hindu male, *æt.* 45. Tumour weighing 18lbs. 13oz., of two years' growth. Suffering from fever. Removed as usual. Both tunicae contained fluid. Fever persisted for a week, and was followed by diarrhœa for another week. The wound healed kindly in 58 days.

xxii. Hindu male, *æt.* 45. Tumour weighing 27lbs., of seven years' growth. Usual operation. Both tunicae contained fluid. Recovered in 56 days.

xxiii. Hindu male, *æt.* 32. Tumour weighing 28lbs. 10oz., of ten years' growth. Usual operation. Recovered in 53 days.

xxiv. Hindu male, *æt.* 57. Tumour weighing 9lbs. 10oz., of five years' growth. Usual operation. Left tunica contained 48oz., and right 10oz. The wound healed well, but he became demented in the fourth week, and was removed by his friends 80 days after operation. It has been ascertained that he recovered his senses on going home.

* * The most remarkable fact about this series of cases is that they all recovered—a circumstance probably unprecedented in the history of the Medical College Hospital. No selection was made; but the majority of the patients were young, and the majority of the tumours small. The heaviest weighed 28lbs. 10oz. The operation and after treatment were precisely the same as in recent years, and the wounds were kept aseptic in every instance.

1c. *Elephantiasis of labia.*—i. Hindu female, *æt.* 16. Both labia majora hypertrophied and ulcerated on the inner surface. A serpiginous ulcer on perinæum. The labia were removed by elliptical incisions, and the ulcer dissected off. Edges of wound approximated by catgut stitches. Recovered in 32 days.

ii. Hindu female, *æt.* 18. History of recent syphilis. Left labium majus much enlarged; sinus leading into its interior; right slightly so. Both removed. Left contained a large abscess cavity

which was dissected out. Lips of wounds approximated with catgut. Healed in 24 days.

2a. *Fibroma of upper jaw.*—Hindu male, *æt.* 20. This was a very remarkable case. A flat mass springing by a narrow pedicle from the gum opposite the first and second upper bicuspids filled the cavity of the palate. It had been growing for eight years. It was easily removed by chain ecraseur, and the pedicle touched with a cautery. He left the hospital in 5 days and has not been heard of since.

2c. *Fibroma of ischio-rectal fossa.*—Hindu female, *æt.* 35. Large hard tumour of four years' growth, occupying and distending right ischio-rectal fossa. It was exposed by a straight antero-posterior incision and shelled out. It was adherent to the lower end of the rectum which was removed. The wound remained aseptic and healed mostly by granulation in 42 days.

2d. *Fibroma of leg and thigh.*—Hindu male, *æt.* 18. Admitted on 11th October with two immense tumours, one congenital at back of right thigh, extending from tuber ischii to popliteal space, the other of five years' growth at back of right leg from knee to lower third. The latter was removed on 13th October. A longitudinal incision about a foot long was necessary to expose it from end to end. It was found to be intimately connected with muscles and fasciæ, which had to be dissected off its surface and to spring by a fibrous root from the head of the fibula. Its removal was facilitated by splitting it in two. The wound was closed throughout, and provision made for drainage by passing two tubes through holes made on opposite sides and at opposite ends. The mass weighed 2½lbs., and was firm and purely fibrous; the wound which remained aseptic healed mostly by first intention.

On the 15th of November the tumour of the thigh was removed in a similar manner. The incision was 14 inches long and the mass, which also weighed 2½lbs., was found to be attached to the linea aspera. The wound was similarly dealt with, remained aseptic, and healed in 11 days, the drainage tracks closing in 19 days. He was discharged on 15th December.

3. *Myxoma of the nose.*—Mahomedan female, *æt.* 30. A mucous polypus removed by wire ecraseur. Discharged in 2 days.

4. *Angioma of lip.*—Hindu male, *æt.* 24. The tumour which involved the right half of the upper lip was isolated by a clamp specially devised by Dr. McLeod for lip operations and injected in every part with saturated solution of tannin introduced by a hypodermic syringe. It swelled and on subsidence of the swelling underwent some shrinking, but the result was not satisfactory, and it was thought best to remove it by a V-shaped incision. This was done 15 days after the injection. The clamp was again used with advantage on this occasion. The upper part of the wound healed by first intention, and the

lower by granulation. Satisfactory union was obtained in 21 days.

5. *Adenoma of mamma.*—i. Hindu female, *æt.* 56. Tumour of right breast about the size of a cocoanut which had been growing since she was 16 years old. Two skewers were passed under it at right angles and a rubber cord wound tightly round the base of the growth, which was thus removed bloodlessly. The wound healed by first intention in 10 days, and the drainage tracks were closed in 15 days. Discharged in 26 days.

ii. Hindu female, *æt.* 35. Tumour of left breast of two years' growth fungating through a cut made by a native barber. It was easily removed, and the resulting wound healed mostly by first intention. Discharged in 22 days.

5. *Lymphadenoma of axilla.*—East Indian male, *æt.* 30. A movable tumour about the size of an orange in right axilla of six months' growth. It was exposed and removed. The mass consisted of a group of enlarged glands undergoing caseation. The wound healed in 11 days.

7. *Keloid tumour of shoulder.*—Hindu male, *æt.* 16. A circular mass of keloid 7 inches in circumference on right shoulder caused by the application of sulphuric acid one year ago to a patch of ringworm. The mass was dissected off and flaps taken from the neighbourhood to cover the denuded area. The wounds united partly by first intention and partly by granulation. Left hospital in 50 days without any indication of recurrence.

8. *Exostosis of external meatus.*—East Indian male, *æt.* 22. The meatus has been undergoing progressive contraction for three years by a hard growth springing from the posterior wall. The passage barely admits a probe. The growth was exposed and removed by a chisel. Contraction of the soft parts was subsequently prevented by retaining a piece of drainage tube in the meatus until healing took place. Discharged in 39 days.

9a. *Sebaceous cyst of scalp.*—i. East Indian, male, *æt.* 70; situated on vertex, of twelve years' growth; had been recently punctured. The cavity was laid open, the wall of the cyst avulsed, and the wound healed by granulation in 7 days.

ii. Hindu male, *æt.* 25. Situated on occiput, size of a walnut, similarly removed. Wound healed by granulation in 17 days.

9b. *Sebaceous cyst of neck.*—European male, *æt.* 30. Situated over left sterno-mastoid, size of a pigeon's egg; inflamed. Removed by dissection. Wound healed in 6 days.

9c. *Sebaceous cyst of groin.*—Hindu male, *æt.* 45. This was a case of epithelioma of the penis, with cancerous glands in left groin which were removed. A swelling in right groin was thought to be cancerous and was dissected out.

It proved to be a sebaceous cyst. The wound healed kindly.

10. *Condylomata.*—These were removed by scissors and sharp spoon. The resulting ulcers healed kindly.

11. *Gumma of wrist.*—Hindu female, *æt.* 40. A soft swelling on the back of left wrist, which appeared a month ago. No history of syphilis. It was incised and scraped out, the lower end of the ulna was eroded, and the bare portion was removed by gouge. The wound healed by granulation in 27 days.

12. *Lupus of cheek.*—A hill woman, *æt.* 46. A large sloughy lupoid ulceration of left upper lip and gum of thirteen months' standing gradually increasing; edges hard and serpiginous; several teeth had fallen out. The diseased tissues were removed by knife, several necrosed teeth extracted, and the gum scraped. A large gap of the left side of the face resulted, to fill up which a quadrilateral flap was taken from what remained of the cheek. This failed to unite throughout, and a second plastic operation became necessary (see below); The lupoid disease did not recur.

13a. *Diseased cervical glands.*—The glands in both these cases were strumous and were exposed by incision and shelled, dissected, and scraped out according to their condition. Repair was very slow in both cases owing to constitutional depravity.

13b. *Diseased axillary glands.*—Hindu male, *æt.* 28. Had had a large sarcoma of left breast removed on 28th of December 1889. The glands of left axilla underwent rather rapid enlargement during convalescence from that operation, and were extirpated on 16th January 1891. These were found to be infiltrated and cystic. The wound healed in 19 days.

13c. *Diseased inguinal glands.*—These fourteen cases represent all classes of diseased glands that had resisted treatment,—virulent bubo glands disorganised by caseation and suppuration, indolent enlargements, open partially destroyed glands, malignant glands, &c. In the majority the disease was confined to one side; in five cases both sides were affected. The method of removal varied according to circumstances: simple enucleation, dissection or erosion with sharp spoon. In all cases every vestige of gland tissue was removed, and the wound left to heal by granulation, antiseptic measures being strictly carried out. The process of repair occupied from a fortnight to two months according to the size of wound and constitution of patient. In all cases a satisfactory result was obtained.

14. *Hæmorrhoids.*—In two cases the lumps were removed by scissors according to Whitehead's method, and in one by Smith's clamp and cautery.

(To be continued.)