

Annual Report 2018

SURGICAL DEPARTMENT

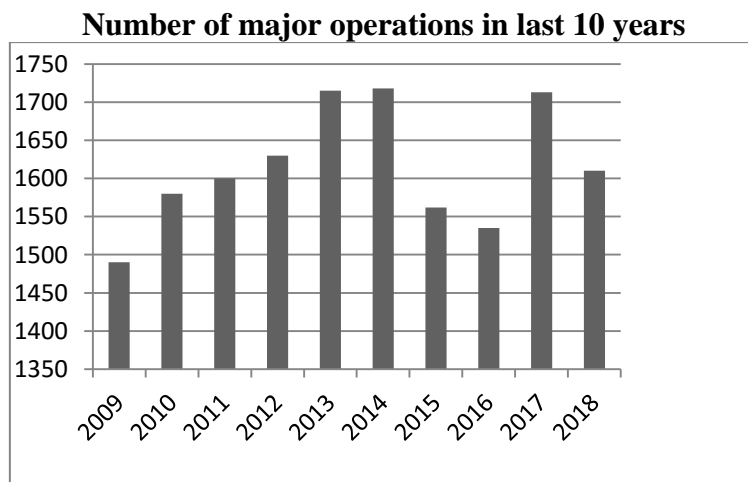
Nyangao Hospital Surgical Department over the years has been steadily directed by Specialist Surgeon Dr. Ryszard Jankiewicz assisted by Dr. Andreas Gai, Dr. Inge de Grauw, Dr. Vincent Kwai and other rotating doctors, performing operations at major and minor theatres. Dr. Inge and Dr. Vincent left Hospital and they were replaced by Dr. John Mtomo and Dr. Joel Msilimu.

In 2018 Hospital received substantial support from Polish Medical Mission in the form of project “Improvement of the quality of surgical treatment and mother and child care in Regions of Lindi and Mtwara”.

Project consisted:

- co-financing of new building for 2 minor operation theatres with 3 doctor’s offices
- co-financing reconstruction of existing theatre building with adding one additional operation room for emergency operations
- continuation on job training in surgical department for doctors from neighbor hospitals
- two days seminar in October dedicated on “The most actual surgical problems in daily work” with participation of 18 doctors, 6 facilitators from 13 neighbor hospitals of Lindi and Mtwara Regions
- 4 seminars for Nurse-midwives on safe motherhood
- on job training for nurse midwives from neighbor health facilities
- supply of medical and supportive equipment like ultrasonograph, 2 solar heaters, instruments etc.
- visit and active cooperation with 2 volunteers from Poland, orthopedic surgeon and gynecologist.
- funding histopathology examinations abroad and treatment of VVF patients

In 2018 the total number of operated patients was 1534, and the total number of major operations reached 1610, The difference between number of operated patients and number of major operations results from some multiple procedures on one patient.



Decrease number of major operations in 2018 compare to 2017 was mostly due to reconstruction major theatre and transfer all of them temporary to new building not very fit for this type of procedures.

Thanks to continued support of Polish Aid it was possible to offer two months practice in Surgery Department for doctors from neighboring hospitals from Lindi and Mtwara Regions and to organize for them a two days Workshop on "Most actual surgical problems in daily work" which took place on 22 - 23 October. The participating doctors came from Hospitals Mtwara, Lindi, Ndanda, Ruangwa, Kilwa Kipatimu, Kilwa Kinonga, Tandahimba, Mangaka, Nachingwea, Newala, Mnero, Liwale and from Health Centres.

Nyangao Hospital is the only one in Lindi Region offering most of specialist operations from general surgery, orthopedics, urology and practically is acting as referral hospital for above mentioned specialization.

Number of admissions to Surgical Ward 2017

Ward	No. of beds	No of admissions
Male (1B)	30	956
Female (2B)	16	308
Children (3B)	8	297
Private surg.	3	114
TOTAL	57	1675

Ratio of different types of operations

Emergency procedures accounted for approx. 1/3 of total procedures.

Type of operations	Number	Rate in %
Gyn. /Obs.	885	54,9
General Surgery	441	27,4
Orthopedics	206	12,8
Urology	78	4,9

Top five most common operations in 2018

Number of cesarean sections increased by 24 % comparing to 2017

Type of operation	No of cases
Cesarean section	576
Abdominal hysterectomy	168
Herniorrhaphy (various type)	139
Adnexectomy/salpingectomy/cystectomy	91
Excision various superficial tumours, biopsy	53

Major operations performed in Nyangao Hospital

Head and Neck:	
Thyroidectomy	13
Nasal polypectomy	4
Total Head and Neck	17
Chest:	
Mastectomy (palliative and radical)	22
Lumpectomy	5
Total Chest	27
Abdomen:	
Inguinal hernia	77
Laparotomy for peritonitis	26
Inguinal hernia obstructed	21
Exploratory laparotomy (biopsy, drainage)	15
Epigastric hernia op.	11
Anal fissure op.	11
Adhesiolysis of bowels	11
Appendectomy	10
Small intestine repair	10
Ulcerorrhaphy	9
Splenectomy	8
Sigmoidectomy	7
Anal fistula op.	7
Resuturing of burst abdomen	7
Partial resection of small intestine with anastomosis	6
Haemorrhoidectomy	5
Umbilical hernia op.	5
Colostomy	4
Gastrostomy	4
Hartmann's procedure	4
Hemicolectomy	3
Sigmoid derotation	2
Colostomy closure (opening)	2
Incisional hernia op.	2
Cholecystectomy	2
Ileocecal resection	2
Femoral hernia op.	2
Jejunum or ileo-transversostomy	2
Ileostomy	2
Big intestine repair	2
Choledochoduodeno anastomosis	1
Imperforated anus opening, plasty	1
Liver injury repair	1
Partial colon resection with anastomosis	1
Gastroenteroanastomosis	1
Duodenum laceration repair	1
Total Abdomen	285

Skin and Subcutaneous Tissue	
Excision of various tumours, biopsy	53
Wound toilet and suture, incision and drainage	41
Skin graft	12
Fingers plasty	3
Total Skin and Subcutaneous Tissue	109
Bones and Joints	
ORIF (Küntscher nail-30, plates & screws-3, Kirschner wire-4,	37
Operations for osteomyelitis	36
External fixation	26
Metal implants removal	14
Above knee amputation	16
Fingers (toes) amputation	9
Above elbow amputation	7
Below knee amputation	6
Foot amputation	2
Below elbow amputation	1
Tibial traction (in Op. Theatre)	1
Arthrotomy	1
Fracture close reduction	1
Total Bones and Joints	157
Urological:	
Hydrocelectomy	38
Orchidectomy	26
Prostatectomy	10
Bouginage	10
Cystotomy	9
Partial scrotal resection and plasty	6
Ureterocystoneostomy	4
Nephrectomy	3
Urethral fistula closure	2
Urethral caruncle excision	2
Orchidopexy	2
Urine bladder repair	1
Total Urological	113
Gynecological operations:	
TAH with adnexa	71
TAH	64
Adnexectomy (incl. ectopic pregnancy)	54
Subtotal hysterectomy (incl.due to rupture of uterus)	36
BTL	14
Salpingectomy (incl. ectopic pregnancy)	20
Cystoophorectomy	15
TVH	13
Kolporrhaphy anterior	12

Myomectomy	11
VVF rep air (one RVF)	8
Adhesiolysis of adnexa, stomatoplasty	6
Operation for Bartholin's cyst	3
Perineal plasty	3
Kolporrhaphy posterior	1
Cervix cerclage	1
Total Gynecological	332
Obstetrical operations:	
Cesarean section	567
Uterus repair	2
Cerclage	1
Total Obstetrical	570
Total major operations	1610

TRAUMATIC CASES

The number of traumatic cases treated in Nyangao Hospital is still increasing. They are responsible for around 50 % of total admissions in Surgical Department. Most of them are victims of traffic accidents, caused especially by motorcycles. Around 60% of them have fractures, mainly lower extremities, many of them complicated open fractures. Most of the hospitals including Regional Referral Hospitals Lindi and Mtwara don't have basic equipment and experienced doctors in this field and this is the cause that they go to Nyangao.

ANESTHESIA

Type of anaesthesia	Major Theatre	Minor Theatre	OPD Theatre	Delivery Room	Total
Spinal	880	26	-	-	906
Ketamine	292	337	9	209	847
Gen. with intubation	342	-	-	-	342
Gen. with LMA	80	-	-	-	80
Local	16	113	13	13	155
Total	1610	476	22	222	2330

The anesthesia department faced significant staff changes in 2018. Very experienced anesthetic nurse Mrs. Gaudencia Ungele after many years of excellent work in August went for retirement. To anesthetic team joined Hasim Mbawala and Erick Kassim after training, and in October Alfred Mwinuka and Alisante Manga

The department is very grateful for the help provided by Dr. Daniela Kietzmann, German Consulting anesthetist working in Sweden, who is coming every year for training of anesthetic

staff and supplying the department with important anesthetic equipment.

HISTOPATHOLOGY EXAMINATIONS

The cooperation with Oncology Centre in Bydgoszcz Poland which is currently doing histopathology examinations for Nyangao Hospital is continuing. The costs of examination is covered by Polish Medical Mission Project. On the end of the year has been established cooperation with DHL company what allows to decrease significantly time of transport samples abroad. The record of time between sending samples and receiving result by internet is 6 days!

ACHIEVEMENTS

- Operation tract for minor surgery (two rooms) were build in record short time 10 weeks and good quality with support of Polish Medical Mission and Artemed Foundation from Germany.
- Preparations for reconstruction of old operation tract building with additional 3rd room for emergency operations started.
- Two days seminar for from neighbor hospitals on basic surgical problems took place in October with high interest and large participation of doctors.
- Thanks to PMM project funds was possible to continue on job training on surgical department for doctors form Lindi and Mtwara Hospitals.
- Several medical and supportive equipment were purchase thanks to the same funds.
- Number of doctors working on surgical department slightly increased compare with previous years.

CONSTRAINS & FAILURES

- Lack of qualified permanent doctors performing surgery. Temporary employment of doctors who have no surgical experience or additionally have other duties is not changing much situation in the department which is receiving many difficult referral cases.
- There is practically no effective policy from higher level of health authorities for referral system carrying important information about patients. .
- Despite of several efforts from Nyangao Hospital organizing training and workshops there is still very low level of knowledge and ability of treatment for growing number of traumatic cases especially bone fractures in neighboring hospitals.