



## Thematic Areas

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## **Arthroplasty [8], Arthroscopy and Sports Medicine**

### Thematic Head:

- [Prof Mulimba J A O](#) [9] / **Prof. L.N. Gakuu.**

### Staff:

- [Prof Gakuu Lawrence Ndegwa](#) [10]
- [Prof Atinga John Ernest Oluoch](#) [11]
- [Dr Fred Chuma Sitati](#) [12]
- [Dr Mogire Tom Siekei](#) [13]
- [Dr John Kingori](#) [14]
- [Dr Mutiso Vincent](#) [15]
- [Dr Museve George K](#) [16]

### Training Contents

1. Primary Total / Uni Arthroplasty & Hemiarthroplasty
2. Revision Arthroplasty
3. Osteotomy and Realignment Procedures
4. Arthroscopy, imaging, histology & pathology of joint replacement
5. Infection in arthroplasty & thromboembolic disease
6. Arthroscopic reconstructive procedures of the knee, shoulder and other joints.
7. Non arthroscopic reconstructive procedures
8. Management of sports injuries
9. Rehabilitation in sports injury

### News

A Community Outreach orthopedic Project was held at St. Teresa Mission Hospital in Meru County. The Project was Coordinated by Dr. Gakuya, A lecturer and Orthopedic Surgeon at the orthopedic Department of the University of Nairobi. The project ran from 30<sup>th</sup> September 2013 to 3<sup>rd</sup> October 2013. Members of staff who joined the Project included Dr. R.O. Ombachi and Dr. J.C. Mwangi. Four Registrars formed the rest of the team.

### Projects

A Community Outreach orthopedic Project is held every year at St. Teresa Mission Hospital in Meru County. The Project is Coordinated by Dr. Gakuya, A lecturer and Orthopedic Surgeon I the orthopedic Department of the University of Nairobi.

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## **Trauma, Hand and Reconstructive Surgery**

### Thematic Head:



- **Prof. J.E.O. Atinga/Dr. V.M. Mutiso**

### Staff:

- [Prof Mbindyo Benjamin S](#) [17]
- [Dr Fred Chuma Sitati](#) [12]
- [Dr Mogire Tom Siekei](#) [13]
- [Dr Museve George K](#) [16]
- [Dr Oburu Ezekiel Colville Odira](#) [18]

### Training Contents

1. All aspects of musculoskeletal trauma management and care including.:
  - i. Pelvic Trauma – Stabilization of the pelvis, ext. or int. fixation. Management of acetabular fractures, Sacroiliac dislocations and sacral fractures.
  - ii. Vascular Trauma – Identification of limb arterial injuries.
  - iii. Wound Management – Flaps, rotational or free. (Rotate to Plastic Surgery Dept.)
  - iv. Hand Trauma – Management of hand injuries, fractures and the mangled hand.
  - v. Ilizarov Procedures – For salvaging limbs, bone transport & lengthening,
  - vi. correction of deformities and fixation of fractures
2. Elective Surgery of the Hand and Upper Limb

### News

The Department of Orthopedic Surgery staff are involved in the care of Trauma, hand and reconstructive surgery cases in the Kenyatta National hospital on a day to day basis.

### Projects

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## **Spine [19] Surgery**

### Thematic Head:

- **Dr. Ombachi Richard B/ Dr. E.M. Gakuya**

### Staff:

- [Dr Edward Muthike Gakuya](#) [20]
- [Dr Mutiso Vincent](#) [15]
- [Dr Museve George K](#) [16]

### Training Contents



1. Spinal Trauma
2. Degenerative disease of the spine
3. Deformities of the spine
4. Spinal infections
5. Spinal Tumours
6. Spinal Rehabilitation

### **News**

A Spine Project was held at the Kenyatta National Hospital with the support of Nuvasive and coordinated by Dr. Ombachi B, an orthopedic Surgeon and lecturer at the Orthopedic Department of the University of Nairobi. Numerous complex cases were performed and registrars were able to scrub in and learn.

### **Projects**

Every year a Spine Project is held at the Kenyatta National Hospital with the support of Nuvasive and coordinated by Dr. Ombachi B, an orthopedic Surgeon and lecturer at the Orthopedic Department of the University of Nairobi.

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## **Musculoskeletal oncology and Infections**

### **Thematic Head:**

- **Prof. L.N. Gakuu**

### **Staff:**

- [Dr Museve George K](#) [16]
- [Dr John Kingori](#) [14]

### **Training Contents**

1. Principles of surgical oncology
2. Principles of biopsy
3. Oncology attachment- medical and radiotherapy
4. Musculoskeletal imaging attachment
5. Basic musculoskeletal tumour pathology attachment
6. Benign and malignant musculoskeletal tumours and their management
7. Principles of soft tissue coverage
8. Principles of arthroplasty
9. Rehabilitation
10. Cancer pain management

### **News**



The department continues to participate in the Tumor Board held at the University and attended by interested departments such as Pathology, General Surgery, Internal Medicine, Paediatrics, Obstetrics and Gynecology

### Projects

The department participates in the Tumor Board held at the University and attended by interested departments such as Pathology, General surgery, Internal Medicine, Paediatrics, Obstetrics and Gynecology.

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## Paediatric orthopedics

### Thematic Head:

- [Dr Museve George K](#) [16] / **Dr. E.M. Gakuya**

### Staff:

- [Prof Mulimba J A O](#) [9]
- [Dr Fred Chuma Sitati](#) [12]
- [Dr John Kingori](#) [14]
- [Dr Edward Muthike Gakuya](#) [20]

### Training Contents

1. Chromosomal and teratologic disorders
2. Haematopoietic Disorders
3. Arthritides
4. Metabolic diseases
5. Birth injuries
6. Cerebral palsy
7. Neurofibromatosis
8. Neuromuscular disorders
9. Pediatric Spine
10. Upper extremity disorders
11. Rotational & angular deformities of the lower limbs
12. Hip - DDH, SUFE, Perthes
13. Pediatric knee
14. Proximal focal femoral deficiency
15. Gait abnormalities
16. Infections
17. Leg length inequality
18. Pediatric foot, CTEV, Flatfoot, Pes Cavus
19. Pediatric trauma

### News

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### Projects

A Community Outreach orthopedic Project is held every year at St. Teresa Mission Hospital in Meru County. The Project is Coordinated by Dr. Gakuya, A lecturer and Orthopedic Surgeon I the orthopedic Department of the University of Nairobi.

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## Physical Therapy

### Thematic Head:

- [Dr Mutiso Vincent](#) [15]

### Staff:

- [Prof Mulimba J A O](#) [9]
- [Prof Mbindyo Benjamin S](#) [17]
- [Prof Gakuu Lawrence Ndegwa](#) [10]
- [Prof Atinga John Ernest Oluoch](#) [11]
- [Dr Fred Chuma Sitati](#) [12]
- [Dr Mogire Tom Siekei](#) [13]
- [Dr Kireti Victor N](#) [21]
- [Dr John Kingori](#) [14]
- [Dr Edward Muthike Gakuya](#) [20]
- [Dr Museve George K](#) [16]
- [Dr Oburu Ezekiel Colville Odira](#) [18]

### Course Content

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### News

The Department continues to contribute in the teaching of physiotherapy to students Of the Kenya Medical Training College in the Diploma course.

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## Metabolic bone disease



Thematic Head:

- [Prof Atinga John Ernest Oluoch](#) [11]

**Staff:**

- [Dr Edward Muthike Gakuya](#) [20]
- [Dr Museve George K](#) [16]
- [Dr Oburu Ezekiel Colville Odira](#) [18]

**Training Contents**

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7. [Secondary Osteoporosis](#) [39]

**News**

This is a rapidly emerging area of interest. Many cases are seen and managed at the Kenyatta National Hospital.

**Projects**

This is a rapidly emerging area of interest. Many cases are seen and managed at the Kenyatta National Hospital.

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