

# ANNUAL SCIENTIFIC CONFERENCE

**13-15** July 2022









Research Innovation Leadership in Aneasthesia and Critical Care:

Beyond the Four Walls

Conference Information & Exhibitors' Booklet







# **END TO END HOSPITAL SOLUTIONS**

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# MINDRAY EPM 12 PATIENT MONITOR

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OR: Precise Anesthesia



ER: Efficiency

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# **Welcome Messages**



**Dr. Stephen Okelo** KSA Chairman

care: Bevond the Four

# Jambo!

elcome to the 29th
Kenya Society of
Anaesthesiologists
and 9th Critical Care Society
of Kenya annual scientific
conference from 13th to 15th
July 2022.

The importance of the anaesthesiologists' role in the operating room and indeed in the perioperative period as the ultimate perioperative physician may be obvious to many. There is, however, a lot going on away from the confines of these "four walls" where anaesthesiologists are (or could be) involved as the subjects or objects. These activities may tap into the skillset of the anaesthesiologists or influence how and when these skills are applied.

The theme of this year's conference is "Research, Innovation and Leadership in Angesthesia and Critical

Walls". It contains a rich programme delving deeper into the interactions anaesthesiologists and intensivists have away from the theatres and intensive care units; how they can influence, be part of and be influenced by these interactions. The conference takes place in the Kenya's port city of Mombasa at Pride

Inn Paradise, Shanzu.

This 3-day event drawing speakers, delegates, and industry partners from across the globe will have plenty of knowledgeenhancing activities such as problem-based learning discussions, workshops, symposia, plenary talks, paper presentations and e-posters. In addition to the rich scientific programme, vou will have a chance to network with professional colleagues and interact one-on-one with our industry partners in the exhibition

areas. There will also be the distinct opportunity for delegates to sample the best that the Kenyan coast has to offer including local cuisine, music and dance, beach walks and swimming, and much more. So do not hesitate to come along with or invite your loved ones for this experience!

My sincere gratitude to all the individuals, committees, institutions, and organisations who have been part of the journey culminating in the success of this conference.

On behalf of the executive committee of the Kenya Society of Anaesthesiologists, it is my great pleasure to extend a warm *Karibu* to all our guests, delegates and partners to this great meeting and wish you all a safe and enjoyable stay.









**Dr. Kevin Umani**KSA Scientific
Committee Chairman

# **Dear Conference Delegates,**

t's my pleasure to welcome you to our Annual Scientific Conference 2022 at Pride in Shanzu Mombasa. This physical meeting takes place since our last one in 2019 at Naivasha, Knowing the struggles we had during the Corona Virus pandemic that forced the cancellation of the conference in 2020 and the virtual meeting last year in 2021.

The period of 2020-2021 was very difficult for many Anaesthesia providers worldwide knowing the risks involved with managing Covid 19 patients in the Operating room and ICU. Unfortunately, some of us lost close friends in the medical field and relatives.

The positives we saw were the crucial role anaesthesia providers play outside the operating room and the explosive popularity of regional anaesthesia in surgery.

We should walk with our heads held high and I thank all of you delegates for playing your part to provide safe anaesthesia and critical care to COVID 19 patients.

Planning this year's conference scientific programme as the incoming KSA scientific committee chairman was not an easy task. I thank all the scientific committee members for the teamwork and support in designing tracks related to our theme Research, Innovation and Leadership in Anaesthesia and Critical Care. I also appreciate all

the speakers for taking their time to give talks on different fields in Anaesthesia that will be of benefit in our practice.

We all know the KSA annual general meeting is also a time we meet our friends from different parts of the country and interact with international colleagues. This is good for our mental well-being. Mombasa is a historical town in our nation with such rich history of Arab traders, Portuguese battle for control of Fort Jesus and Railway origin. It has grown over the years into a major trade hub and tourist attraction site. Am sure we will enjoy the tourist attraction sites and feel relaxed

Karibu Mombasa na asante kwa kuhudhuria mkutano wetu wa kisayansi.







# **Local Committees**

# **Executive Committee**

- Dr. Stephen Okelo KSA Chairperson
- 2. Dr. Wilson Ng'ang'a KSA Vice Chairperson
- 3. Dr. Susane Nabulindo KSA Secretary
- 4. Dr. Lee Ngugi Vice Secretary
- 5. Dr. Angela Ongewe Treasurer
- 6. Dr. Anthony Mulu Vice Treasurer
- 7. Dr. Killian Kariuki Executive Committee Member
- 8. Dr. Elisha Kirwa Executive Committee Member
- 9. Shelmith Macharia Administrative Officer

# **Scientific Committee**

| 1. Dr. Kevin Umani - Chairperson         | 8. Dr. Susane Nabulindo    |
|--|----------------------------|
| 2. Dr. Ruth Mbadi - Vice Chairperson     | 9. Dr. Victoria Simiyu     |
| 3. Dr. Idris Chikophe - Chairperson CCSK | 10. Dr. Kituyi Werunga     |
| 4. Dr. David Odaba                       | 11. Dr. Victor Mutai       |
| 5. Dr. Lee Ngugi                         | 12. Dr. Fiona - Hope Mtula |
| 6. Dr. Emma Mutio                        | 13. Dr. Cyril Abwoga       |

# **Organizing Committee**

| 1. Dr. Stephen Okelo    | 6. Dr. Anthony Mulu    |
|-------------------------|------------------------|
| 2. Dr. Wilson Ng'ang'a  | 7. Dr. Killian Kariuki |
| 3. Dr. Susane Nabulindo | 8. Dr. Elisha Kirwa    |
| 4. Dr. Lee Ngugi        | 9. Shelmith Macharia   |

5. Dr. Angela Ongewe



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# Faculty

| 1.  | Dr. Kevin Umani - Scientific Committee Chair | 25. | Dr. Wangui Thang'a    |
|-----|--|-----|-----------------------|
| 2.  | Dr. Ruth Mbadi - Vice Chairperson            | 26. | Dr. Jane Gwaro        |
| 3.  | Dr. Idris Chikophe                           | 27. | Dr. Catherine Mutinda |
| 4.  | Dr. Demet Sulemanji                          | 28. | Dr. Muthoni Ntonjira  |
| 5.  | Dr. David Odaba                              | 29. | Dr. Emma Mutio        |
| 6.  | Dr. Frank Gitonga                            | 30. | Dr. Thomas Chokwe     |
| 7.  | Dr. Martin Musumbi                           | 31. | Dr. Christine Gathiri |
| 8.  | Dr. Caroline Njoki                           | 32. | Dr. Gregory Sund      |
| 9   | Dr. Khadija Hassannoor                       | 33. | Dr. Timothy Mwiti     |
| 10. | Dr. Anne-Marie Githaiga                      | 34. | Dr. Rajpreet Bal      |
| 11. | Dr. Navniel Kaur                             | 35. | Dr. Matthew Kynes     |
| 12. | Dr. Ranjith Karthekeyan                      | 36. | Felix Rutto           |
| 13. | Dr. Gezy Giwangkancan                        | 37. | Dr. Jonah Mulatya     |
| 14. | Dr. Maxine Okello                            | 38. | Dr. Isaac Adembesa    |
| 15. | Dr. Nabil Shallik                            | 39. | Dr. Wilson Ng'ang'a   |
| 16. | Dr. Pallavi Rajani                           | 40. | Dr. Mohamed El Arref  |
| 17. | Dr. Rita Arogo                               | 41. | Dr. Sohel Ahmed       |
| 18. | Dr. Cynthia Njeri Kamau                      | 42. | Simon Muchiri         |
| 19. | Mr. Moses Chira                              | 43. | Alexander Herden      |
| 20. | Dr. Wagaki Gicheru                           | 44. | Dr. Angela Onyando    |
| 21. | Dr. Elisha Kirwa                             | 45. | Dr. Lee Ngugi         |
| 22. | Dr. Winfred Mwangi                           | 46. | Dr. Mark Gacii        |
| 23. | Dr. Bridgitte Macharia                       | 47. | Prof. David Walker    |

24. Dr. Brian Kariuki



Shanzu, Mombasa



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# Registration Entitlement & Programme Overview

The conference registration fee caters for 2 teas and lunch, for the duration of the conference, as well as the gala dinner on the last day of the conference (14th July 2022).

# **Programme Overview**

# WEDNESDAY, 13TH JULY (3 Pre-conference activities)

Only workshop registered participants need to be available on this day.

- Virtual Problem Based Learning Discussions (PBLDs) each @ KES 1,500 
   Peri-Operative Medicine and ii.) Obstetric Anaesthesia.
- 2. Full Day Parallel workshops i.) FATE @ KES 8,000, ii.) Advanced Difficult Airway and iii.) Regional Anaesthesia @ KES 5,000.
- 3. Poster presentation session.

# THURSDAY, 14TH JULY (Day 1, Conference)

- Virtual Problem Based Learning Discussions (PBLDs) each @ KES 1,500 
   i.) Fluid Shifts and ii.) Pain Management.
- 2. Track 1 and Track 2.
- 3. Two parallel lunch time symposia.
- 4. Poster presentation session.
- 5. AGM: Open to KSA members.
- Gala Dinner: Representatives without tickets accompanying persons to pay a supplement of KES 3,000.

# FRIDAY, 15TH JULY (Day 2, Conference)

- Virtual Problem Based Learning Discussions (PBLDs) each @ KES 1,500 
   i.) Paediatric Anaesthesia and ii.) Inotropes and Vasopressors.
- 2. Track 1 and Track 2.







# **Conference Registration Fees**

|  | Physical Attendance Fee                                 |  |  |
|--|---|--|--|
| Category   | Early Bird Registration<br>On or before 31st March 2022 | Late Registration<br>From 1st April 2022 |  |
| Physician member of KSA/CCSK   | KES 20,000 / USD 200 KES 25,000 / USD 3                 |  |  |
| Physician non-member of Kenya/High Income<br>Country   | KES 25,000 / USD 250                                    |  |  |
| Non-physician Anaesthetists (Clinical Officer<br>Anaesthetists, Nurses Anaesthetist)                 | KES 10,000 / USD 100                                    |  |  |
| Residents, Fellows, MOs, Non-physician Anaesthetist<br>Trainees, Nurses, AAs, LMIC Delegates, Others | KES 7,000 / USD 70                                      |  |  |

| Workshops   | Amount           | Problem Based Learning Discussions<br>(PBLDs) @ KSH 1,500/USD 15             |  |
|---|------------------|--|--|
| 1. Focus Assessed Transthoracic<br>Echocardiography (FATE) Course | KES 8,000/USD 80 | i. Peri- Operative Medicine<br>ii. Obstetric Anaesthesia<br>iii. Fluid Shift |  |
| 2. Regional Anaesthesia (RA)                                      | KES 5.000/USD 50 | iv. RA/ Pain Management  v. Paediatric Anaesthesia                           |  |
| 3. Difficult Airway Workshop                                      | KES 5,000/USD 50 | vi. Inotropes and Vasopressors   |  |

KSA members; full and associate, are also reminded to pay their annual subscription fees of KES 5,000 and KES 2,000 respectively.

# **Method of Payment**

1. Cheque / Bank Transfer (Bank charges are the responsibility of the delegate)

Account Name: Kenya Society of Anaesthesiologists

Bank Name: Standard Chartered Bank

Branch: YAYA Centre

Account No: 01028-474550-00

Dollar Account No: 87028-474550-00

Swift Code: SCBLKENXXXX

# 2. Mpesa Paybill

Business No: 872224

Account No: Surname, First name and Purpose of payment







# **Programme Overview**

|   | PROGRAMME WITH SESSION CHAIRS  |  |  |   |   |              |
|---|--|--|--|---|---|--------------|
|   | WEDNESDAY   13TH JUL   | DAY 1 - THURSDAY   14TH JUL                                    |  | WEDNESDAY   13TH JUL DAY 1 - THURSDAY   14TH JUL DAY 2 - FRIDAY 15TH JUL                |   | DAY 15TH JUL |
|   | PRE-CONFERENCE   | CRITICAL CARE  | TRACK 2  | TRACK 1   | TRACK 2   |              |
| MORNING<br>8.30am- 10.30am                  | <b>FATE Workshop</b> Dr. Isaac Adembesa  | <b>Critical Care</b><br>Dr. Winfred Mwangi &<br>Dr. Teddy Were | Areas of ERAS  Dr. Timothy Mwiti &  Dr. Charles Lelei                | <b>Academia</b><br>Dr. Mark Gacii & Dr. Frank<br>Gitonga                                | <b>Leadership</b> Dr. Gregory Sund & Dr. Edwin Oduor        |              |
| MID-MORNING<br>11.30am- 1.00pm              | Regional Anaesthesia<br>Workshop<br>Dr. Wilson Ng'ang'a  | <b>Critical Care</b> Dr. Idris Chikophe & Dr. Susan Mutahi     | <b>Airway Management</b> Dr. Charles Kabetu & Dr. David Waruingi     | <b>Research</b><br>Dr. Sameera Ramzan &<br>Dr. Elisha Kirwa                             | Pain Management<br>Dr. Speciosa Nguku &<br>Dr. Cindy Murila |              |
| AFTERNOON<br>2.00pm- 3.30pm                 | Advanced Difficult Airway<br>Workshop<br>Dr. Nabil Shallik   | <b>Innovation</b> Dr. Caroline Mwangi & Dr. Sally Getugi       | <b>Obstetric Anaesthesia</b><br>Dr. Ruth Mbadi &<br>Dr. Kibet Bhoyyo | <b>Paediatric Anaesthesia</b><br>Dr. Nancy Okonu &<br>Dr. Allan Kochi                   | Free Papers Dr. Timothy Kanyeki & Dr. John Evans Mwanzia    |              |
| PBLD<br>7.00am – 8.00am                     | Peri-operative Medicine David Walker  Obstetric Anaesthesia Dr. Ruth Mbadi   | <b>Fluid Shifts</b><br>Dr. Idris Chikophe                      | <b>Pain Management</b><br>Dr. Lee Ngugi                              | <b>Paediatric Anaesthesia</b><br>Dr. Angela Onyando                                     | Inotropes and<br>Vasopressors<br>Dr. Mark Gacii             |              |
| PLENARY<br>10.30am - 11.30am                | Dr. Emma Mutio & Dr. Anthony Kamau Invite delegates to lunchtime symposium Invite members to the AGM Invite delegates to the Gala Dinner |  |  | Dr. Jane Gwaro & Dr. Billow N<br>Invite delegates to lunchtin                           |   |              |
| LUNCHTIME<br>SYMPOSIUM                      | The Role of Machine Learning in Antimicrobial Stewardship Dr. George Njogu & Dr. Sheila Gitau  |  |  | <b>Lung Protective Ventilation</b> Dr. Anne Marie Githaiga & Dr                         |   |              |
| 13.15pm - 14.30pm<br>Poster<br>Presentation | Judges Dr. David Misango, Dr. Kevin Umani, Dr. Mark Gacii, Dr. George Njogu, Dr. Carolyne Njoki & Dr. Nabukwangwa Simiyu                 |  |  | <b>Judges</b><br>Dr. David Misango, Dr. Kevin<br>George Njogu, Dr. Carolyne N<br>Simiyu |   |              |







# Pre-Conference Workshops (13th July 2022)

# Basic Focus Assessed Transthoracic Echocardiography (FATE)

Focus Assessed Transthoracic
Echocardiography (or FATE) is a type
of transthoracic echocardiogram, or
sonogram of the heart, often performed
by non-cardiologist. The protocol has been
used since 1989 and has four projections;
subcostal four-chamber, apical fourchamber, parasternal long axis and
parasternal short axis.

The original focused cardiac ultrasound protocol for non-cardiologists was devised by Dr Erik Sloth in 1989 and has formed the basis of hands-on FATE courses ever since.

The success of the original protocol has inspired a surge of replicas in many shapes and the coining of many imaginative acronyms: FEER, FEEL, Focus, Bleep, HART, FUSE etc. These are all variations of the original theme.

## **Schedule**

| TIME          | ACTIVITY  |
|---------------|---|
| 9:00 - 9:15   | Introduction  |
| 9:15 - 9:30   | Highlights to HOT 1, Coffee   |
| 9:30 - 10:45  | HOT 1 - Knobology, FATE views, FATE card page 1 and IVC if time allows        |
| 10:45 - 11:00 | Highlights to HOT 2   |
| 11:00 - 13:00 | HOT 2 - Knobology, repetition of HOT 1, M-mode in pos 2, MAPSE/TAPSE          |
| 13:00 - 13:30 | Lunch (included)  |
| 13:30 - 13:45 | Highlights to HOT 3   |
| 13.45-14.45   | HOT 3 - Knobology, rept. HOT 1-2, M-mode in pos 3, parasternal long axis view |
| 14:45 - 15:00 | Highlights to HOT 4   |
| 15:00- 15:15  | Break with coffee   |
| 15:15 - 16:00 | HOT 4 - Certification and scenario training, discussion, evaluation           |

<sup>\*</sup>Starting time and length of breaks are subject to change HOT = Hands-on training







# **Advanced Airway Management Workshop**

# **HGI-02-MED-P618**

# **Objective of Skill Stations**

# Airway workshop aims and objectives

# 1. FlexibleFiberoptic (FB) Intubation and Simulation

### **Aims**

- Training in handling/use fiberscope both nasally and orally.
- Understanding of basic and more advanced local anesthetic and sedative techniques depending on experience.
- Awareness of clinical indications and contraindications / potential difficulties.
- Awake and sleep fiberoptic techniques.
- Airway topicalization for awake intubation.

# **Teaching Objectives**

- Discuss the indications and contraindications for use the flexible Bronchoscope (FB).
- Discuss the features, preparation and care of the FB.
- Demonstrate the basic movements of the FB.
- Learn how to insert and confirm endotracheal tube placement using the FB.
- Experience oral and nasal intubation with the FB using intubating airways.
- Reinforce the importance of maintaining oxygenation and ventilation using endoscopy masks and swivel connectors with LMA.
- Trouble shooting and managing common problems with the FB.
- To be able to anesthetize airway with local anesthetic including use of mucosal atomizer devices and epidural catheter.

• The ultimate goal of this skill is to leave the delegate feeling that he or she can perform awake (and occasionally under GA) FO intubation when clinically indicated. This requires an ability to setup the equipment, topicalise the airway, deliver conscious sedation, pass FB and railroad the tube effectively.

# 2. Videolaryngoscopy

#### Aims

- Understand the role of the Video laryngoscopes in routine and difficult direct laryngoscopy, (predicted and unpredicted) in adults and pediatric.
- Understand the classification of Videolarynoscopes and their differences.

### Classification of VL

- VL based on Macintosh blade.
- Intubating (visualizing) stylists e.g. Bonfils, Sikani.
- VL with curved blade without tube guidance e.g. McGrath, Glidoscope.
- VL with curved blade with tube guidance, Airteaq.

# **Teaching Objectives**

- To perform direct and Videolarynscopy on using C-Mac and Glidoscope.
- To learn about the relative merits of each device with regard to published literature, ease of use, costs, reusability and tutors experience.
- To learn what Videolarynoscopes are available for pediatric airway and to learn tips and tricks for this patient's population.







 To know the indication of Videolarynoscopes

# 3. Retromolar Intubation

## **Aims**

- Indications & Clinical situations where the Bonfils is Useful.
- Advantages & disadvantages.

# Teaching objectives

- · Retro molar approach for intubation.
- Midline technique for intubation.
- · Intubation using Mac-laryngoscopy.
- · Pitfalls &trouble shooting.

# 4. Anterior of Neck Access

# **Aims**

- To become familiar with techniques for narrow and wide bore Canula and surgical cricothyrotomy.
- To select and manage appropriate techniques for different clinical scenarios.
- To select appropriate method for ventilation with each of these.

# Teaching objectives

- To perform Canulacricothyrotomy with Quicktrack and Melker.
- · To perform surgical cricothyrotomy.

# 1. Ultrasound (US) for Airway

# **Teaching Objectives**

After completing this hands-on workshop, participants will be able to:

- Identify airway structures with ultrasound.
- Recognize the air-tissue border from tongue to mid-trachea and at the pleural level.
- Localize the trachea by combining palpation of the sternal bone with ultrasonography.

- Identify the "string of-pearls" sign that identifies the tracheal rings and mark the cricothyroid membrane as part of difficult airway management skills.
- Recognize sonographic evidence of lung movement during respiration and exclude an intraoperative pneumothorax
- Recognize endobronchial intubation and one-lung ventilation.
- (Pathological findings and evaluation of gastric content can be discussed when time allows).
- Ultrasound teaching for upper airway.
- Cricothyroid membrane detection by US.
- Detection of pleural movement for detection of pneumothorax.
- Detection of esophageal intubation by US.

# 2. Pediatric Airway

# **Teaching Objectives**

- Recognize differences between pediatric and adult airway.
- Review pediatric airway management techniques and equipment.
- Review common mistakes and complications in management of the pediatric airway.
- · Extubation of pediatric patient.

# 3. Fiber Optic Simulation

# **Teaching Objectives**

- Appropriate simulation teaching programs help the student develop integrated emotional, cognitive, and psychomotor abilities that effect a change in behavior and performance in the clinical setting.
- Playback options for objective performance and evaluation.
- More and more practice avoids damage to clinical bronchoscopes.







# **Schedule**

| Time          | Торіс   |   | Location          |
|---------------|---|---|-------------------|
| 7:30 – 7:45   | Registration  |   | Front Desk        |
| 7:45 - 8:30   | Advanced Airway Management Introduction   |   | Dr. Nabil Shallik |
| 8:30 – 9:30   | <ol> <li>Video-Laryngoscopy</li> <li>Fibre-Optic Intubation</li> <li>Fibre-Optic Simulation</li> <li>SGAD and Intubation</li> </ol> | <ol> <li>Airway Ultrasound</li> <li>Retromolar Intubation</li> <li>Anterior Neck Access</li> <li>Paediatric Airway</li> </ol> | All Groups        |
| 9:30 –10:30   | <ol> <li>Video-Laryngoscopy</li> <li>Fibre-Optic Intubation</li> <li>Fibre-Optic Simulation</li> <li>SGAD and Intubation</li> </ol> | <ol> <li>Airway Ultrasound</li> <li>Retromolar Intubation</li> <li>Anterior Neck Access</li> <li>Paediatric Airway</li> </ol> | All Groups        |
| 10:30 - 10:45 | Tea / Coffee Break  |   |                   |
| 10:45 – 11:45 | <ol> <li>Video-Laryngoscopy</li> <li>Fibre-Optic Intubation</li> <li>Fibre-Optic Simulation</li> <li>SGAD and Intubation</li> </ol> | <ol> <li>Airway Ultrasound</li> <li>Retromolar Intubation</li> <li>Anterior Neck Access</li> <li>Paediatric Airwa</li> </ol>  | All Groups        |
| 11:45 – 12:45 | Scenario 3 and Debriefing   |   | All Groups        |
| 12:45 – 13:00 | <ol> <li>Video-Laryngoscopy</li> <li>Fibre-Optic Intubation</li> <li>Fibre-Optic Simulation</li> <li>SGAD and Intubation</li> </ol> | <ol> <li>Airway Ultrasound</li> <li>Retromolar Intubation</li> <li>Anterior Neck Access</li> <li>Paediatric Airway</li> </ol> | All Groups        |
| 13:00- 14:00  | Lunch Break   |   |                   |
| 14:00 – 15:00 | <ol> <li>Video-Laryngoscopy</li> <li>Fibre-Optic Intubation</li> <li>Fibre-Optic Simulation</li> <li>SGAD and Intubation</li> </ol> | <ol> <li>Airway Ultrasound</li> <li>Retromolar Intubation</li> <li>Anterior Neck Access</li> <li>Paediatric Airway</li> </ol> | All groups        |
| 15:00 - 16:00 | <ol> <li>Video-Laryngoscopy</li> <li>Fibre-Optic Intubation</li> <li>Fibre-Optic Simulation</li> <li>SGAD and Intubation</li> </ol> | <ol> <li>Airway Ultrasound</li> <li>Retromolar Intubation</li> <li>Anterior Neck Access</li> <li>Paediatric Airway</li> </ol> | All groups        |
| 16:00 - 17:00 | <ol> <li>Video-Laryngoscopy</li> <li>Fibre-Optic Intubation</li> <li>Fibre-Optic Simulation</li> <li>SGAD and Intubation</li> </ol> | <ol> <li>Airway Ultrasound</li> <li>Retromolar Intubation</li> <li>Anterior Neck Access</li> <li>Paediatric Airway</li> </ol> | All groups        |
| 17:00 – 18:00 | Open Skill Stations   |   | All Faculties     |
|               | *Extra practice sessions along v  |   |                   |
| 18:00 - 18:30 | Faculty meeting & feedback  |   | Meeting Room      |







# Regional Anaesthesia (RA) Workshop

# Introduction

The regional anaesthesia workshop is one day hands-on workshop. It's meant to be a practical refresher workshop targeting both the regional anaesthesia practioners and the regular anaesthesia providers. This is at both the physician and non physician anaesthesia provider levels.

The workshop will be structured in such a manner as to cover routine regional anaesthesis techniques and also touch base with newer or emerging techniques in the field of regional anaesthesia.

The workshop will also endeavor to cover regional anaesthesia techniques both for provision of anaesthesia and analgesia.

# Objectives

The objectives of the workshop are as follows:

- 1. Practicing on regular and also on emerging regional anaesthesia techniques
- 2. Needling and scanning techniques in regional anaesthesia

# Target Audience

The target audience will include;

- Residents pursuings postgraduate studies in anaesthesia
- 2. Anaesthesia providers both physician and non-physicians.

The workshop aims to have 30 participants

# Mode of Delivery

This will be a practical hands on workshop. It will entail use of meat models, phantom models, nerve block needles and catheters.

There will also be use of volunteers to demonstrate scanning techniques.

# Schedule

The workshop will be divided into two broad sections A and B. Each section will have several stations. Each station will be manned by a facilitator.

Ample time will be allowed for the participants to practice in each station. We will endeavor to have an actual ultra sound machine on each station.

## Section A

This section will target participants who have good grasp of regional anaesthesia. The section with will have several stations aimed at practicing on emerging regional anaesthesia techniques such as ESP block, OL Block.

## Section B

This section will target participants who may not be practicing regional anaesthesia on a regular basis. The section will have several stations that will allow the participants to practice common regional anaesthesia techniques such as supraclavicular brachial plexus block

List of items we will require for use in the workshop.

- 1. Beef steak 3kgs
- 2. Cling foil 1 piece
- 3. Serviettes 1 pack
- 4. Lube-KY Gel 4 tubes







# PRE-CONFERENCE PROGRAMME OVERVIEW

| DAY       | PRE-C   | PRE-CONFERENCE   WEDNESDAY, 13TH JULY                 |   |  |  |
|-----------|---|---|---|--|--|
| 0700-0800 |   | : (Virtual)<br>:ine - Dr. Maxine Okello               | PBLD 2: (Virtual)<br>Obstetric Anaesthesia - Dr. Ruth Mbadi |  |  |
| SESSION   | ROOM 1 - Dodori   | ROOM 2 - Arabuko                                      | ROOM 3 - Madunguni  |  |  |
| 0800-0830 |   | REGISTRATION  |   |  |  |
| 0830-1010 | <b>FATE Workshop</b><br>Dr. Isaac Adembesa  | <b>Difficult Airway Workshop</b><br>Dr. Nabil Shallik | <b>Regional Anaesthesia</b><br>Dr. Wilson Ng'ang'a          |  |  |
| 1010-1040 |   | TEA BREAK   |   |  |  |
| 1040-1330 | <b>FATE Workshop</b><br>Dr. Isaac Adembesa  | <b>Airway Workshop</b><br>Dr. Nabil Shallik           | <b>Regional Anaesthesia</b><br>Dr. Wilson Ng'ang'a          |  |  |
| 1330-1430 |   | LUNCH   |   |  |  |
| 1430-1545 | FATE Workshop         Airway Workshop         Regional Anaesthesia           Dr. Isaac Adembesa         Dr. Nabil Shallik         Dr. Wilson Ng'ang'a |   | _   |  |  |
| 1545-1600 | TEA BREAK   |   |   |  |  |

20:00-22:00

| DAY                       | CONFERENCE DAY 1 - THURSDAY, 14TH JULY  |  |  |
|---------------------------|---|--|--|
| 0700-0800<br><b>PBLDS</b> | PBLD 3: (Virtual)   Fluid Shifts - Dr. Idris Chikophe   | PBLD 4: (Virtual)   Pain Management - Dr. Lee Ngugi  |  |
| SESSION                   | ROOM 1 - Dodori   0830-1010: Critical Care  | ROOM 2 - Arabuko   0830-1010: Areas of ERAS  |  |
| 0800-0830                 | REGISTRATION  |  |  |
| 0830-0850                 | Precision Medicine In Action: Physiology Based Treatment Decisions In ICU - Dr. Demet Sulemanji                           | Fast Tracking of Adult Cardiac Patients: What's Latest? - Dr. Kevin Umani  |  |
| 0850-0910                 | Bed Side Lung Ultrasound: The New Stethoscope - Dr. David Odaba   | Fast Tracking In Paediatric Cardiac Patient - Dr. Ranjith Karthekeyan  |  |
| 0910-0930                 | Critical Care Outreach Teams: Is There Any Benefit? - Dr. Frank Gitonga   | Early Recovery After Surgery In Pediatrics: A Realistic Approach and Improvement Programs in Indonesia - Dr. Gezy Giwangkancan |  |
| 0930-0950                 | Tele-Critical Care: What Works & What Doesn't? - Dr. Martin Musumbi   | ERAS; Is It Possible In LMIC? - Dr. Maxine Okello  |  |
| 0950-1010                 | DISCUSSION  | DISCUSSION   |  |
| 1010-1045                 | TEA BREAK   |  |  |
| 1045-1115                 | OPENING CEREMONY & MADHU PATEL AWARD  |  |  |
| 1115-1200                 | PLENARY: Climate Change and Anaesthesia - Dr. Sohel Ahmed   |  |  |
| TIME                      | 1200-1315: Critical Care  | 1200-1315: Airway Management   |  |
| 1200-1220                 | The High Risk Surgical Patient: Role of Critical Care - Dr. John Whittle  | Transnasal Humidified Rapid Insufflation Ventilatory Exchange - Dr. Nabil Shallik  |  |
| 1220-1240                 | The Critical Care Registry In Kenya: A New Dawn - Dr. Caroline Njoki  | Blind Awake Nasotracheal Intubation - Dr. Pallavi Rajani   |  |
| 1240-1300                 | Organ Donation and Critical Care: Time To Diversify From Healthy Donors -<br>Dr. David Odaba                              | Setting Up A Difficult Airway Clinic - Dr. Nabil Shallik   |  |
| 1300-1315                 | DISCUSSION  | DISCUSSION   |  |
| 1315-1415                 | LUNCHTIME SYMPOSIUM 1: - The R  | ole of Data In Antimicrobial Stewardship - Dr. Chikophe PFIZER   |  |
| TIME                      | 1430-1530: Innovation   | 1430-1530: Obstetric Anaesthesia   |  |
| 1430-1450                 | Disability Status of Patients Post ICU Discharge: How Are Our Patients Faring? - Dr. Khadija Hassan                       | Perfusion Index and Hypotension In Spinal Anaesthesia For Caeserean Section - Dr.<br>Cynthia Kamau                             |  |
| 1450-1510                 | Inferior VENA CAVA Collapsibility Index Versus Passive Leg Raising For Assessing Fluid Responsiveness - Dr. Anne Githaiga | Utilizing Saddle Block For Labor Analgesia - Mr. Moses Chira   |  |
| 1510-1530                 | Utility of Perfusion Index In Predicting ROSC During CPR - Dr. Navniel Kaur   | Lessons From A New Obstetrics Intensive Care Unit - Dr. Arogo Rita   |  |
|                           | DISCUSSION  | DISCUSSION   |  |
| 1545-1600                 | TEA BREAK /   | POSTER PRESENTATION  |  |
| 1600-1800                 | AGM   |  |  |

**GALA DINNER** 

|        | DAY                       | CONFERENCE DAY 2 - FRIDAY, 15TH JULY   |   |  |  |
|--------|---------------------------|--|---|--|--|
| >      | 0700-0800<br><b>PBLDS</b> | PBLD 5: (Virtual)   Paediatric Anaesthesia<br>Dr. Angela Onyando   | PBLD 6: (Virtual)   Inotropes and Vasopressors<br>Dr. Mark Gacii  |  |  |
| EV     | SESSION                   | ROOM 1 - Dodori   0830-1010: Academia  | ROOM 2 - Arabuko   0830-1010: Leadership  |  |  |
|        | 0800-0830                 | RE   | CISTRATION  |  |  |
| EV     | 0830-0850                 | The Use of Simulation in Training Anaesthesia - Dr. Wagaki Gicheru   | Leading Your Specialty - Dr. Muthoni Ntonjira   |  |  |
| VE.    | 0850-0910                 | Impact of e-Learning in Anaesthesia: RAA Online in India Experience -<br>Dr. Ranjith Karthekeyan   | <b>Championing Change In Career Practice (Anaesthetist Beyond The OR)</b> - Dr. Emma Mutio                                  |  |  |
| 6      | 0910-0930                 | The Future Of Training In Anaesthesia - Dr. Elisha Kirwa   | <b>Leadership in Anaesthesia Crisis; Is It a Presumption or An Assumption?</b> - Dr. Thomas Chokwe                          |  |  |
| 빌      | 0930-0950                 | <b>Is Supervised Practice Post Training Necessary For Recognition?</b> - Dr. Winnie Mwangi   | Panel Discussion on Non- Physician Anaesthetist Training - Dr. Christine Gathiri & Dr. Gregory Sund                         |  |  |
| 2      | 0950-1010                 | DISCUSSION   | DISCUSSION  |  |  |
| 2      | 1010-1110                 | The state of the s | EABREAK   |  |  |
| RAMM   | 1110-1200                 | PLENARY: How To Manage Taxes; Knowledge   For The Medical Practitioner - Simon Muchiri   |   |  |  |
| ט      | TIME                      | 1200-1315: Research  | 1200-1315: Pain Management  |  |  |
| 80     | 1200-1220                 | Why Are We Not Publishing? - Dr. Brigette Macharia   | Creating "Value" With Acute Pain Management In Anesthesia Practice - Dr. Rajpreet Bal                                       |  |  |
| ٥      | 1220-1240                 | Making Sense of Data - Dr. Idris Chikophe  | IASP Global Year For Translating Pain Knowledge To Practice - Dr. Timothy Mwiti   |  |  |
| U<br>U | 1240-1300                 | The Impact of Writing Workshops On Perceived Publication Challenges -<br>Dr. Brian Kariuki   | Emerging Uses of Biologics In The Management of Low Back Pain - Dr. Lee Ngugi   |  |  |
| Ž      | 1300-1315                 | DISCUSSION   | DISCUSSION  |  |  |
| ш      | 1315-1415                 | LUNCHTIME SYMPOSIUM 2   Lung Protec  | tive Ventilation In The Operating Room - Alexander Herden   |  |  |
| ER     | TIME                      | 1415-1530: Paediatric Anaesthesia  | 1415-1530: Free Papers  |  |  |
|        | 1415-1435                 | Regional Anaesthesia as a Sole Anaesthetic In Children - Dr. Wangui Thang'a  | Thirsty and Anxious: An Assessment of Preoperative Clear Liquid Fasting Practices In Pediatric Patients - Dr. Matthew Kynes |  |  |
| Z<br>O | 1435-1455                 | Cleft Lip and Palate For Anaesthesia - Dr. Jane Gwaro  | Current State On Perfusion Medicine In Kenya - Dr. Felix Rutto  |  |  |
| Ŭ      | 1455-1515                 | Genetics For Peadiatric Anaesthesiology - Dr. Catherine Mutinda  | Relevance Of Nutritional History To The Anaesthetist - Dr. Jonah Mulatya  |  |  |
|        | 1515-1530                 | DISCUSSION   | DISCUSSION  |  |  |
|        | 1530-1600                 | т  | EA BREAK  |  |  |



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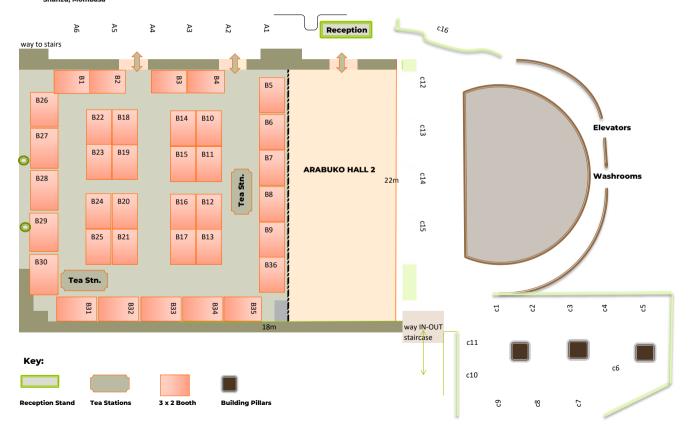








# Floor Plan: Conference Centre Exhibition Area





### **Exhibitors Passport**

\*Attendees who receive stamps from all participating exhibitors, and bring their passports to the KSA registration desk will be entered into a draw to win several prizes.

# Exhibition Area Attendance

# **Delegate's Name**

| #   | Company Name                      | Sign/Stamp |  |  |
|-----|-----------------------------------|------------|--|--|
| B1  | BD                                |            |  |  |
| B2  | GE Healthcare                     |            |  |  |
| В3  | Pfizer                            |            |  |  |
| B4  |                                   |            |  |  |
| B5  | MIG Kenya                         |            |  |  |
| В6  |                                   |            |  |  |
| B7  | JAEA Medical Supplies Ltd         |            |  |  |
| B8  | Medix East Africa Ltd             |            |  |  |
| В9  | B Braun                           |            |  |  |
| B10 | Mindray / Crown Healthcare        |            |  |  |
| B14 |                                   |            |  |  |
| B11 | Piramal                           |            |  |  |
| B12 | Martindale                        |            |  |  |
| B13 | Tuoren Company Limited            |            |  |  |
| B15 | KMA Regulated Non – WDT Sacco Ltd |            |  |  |
| B16 | Abbvie                            |            |  |  |

We thank you for visiting our stand.



### **Exhibitors Passport**

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# **Exhibition Area Attendance**

# **Delegate's Name**

| #   | Company Name                    | Sign/Stamp |
|-----|---------------------------------|------------|
| #   | Company Name                    | Signystamp |
| B17 | Aeonmed Company                 |            |
| B18 | Drager / Nexus Medical          |            |
| B22 |                                 |            |
| B19 | Cachet Pharmaceuticals Ltd      |            |
| B20 | Amiken Limited                  |            |
| B21 | Harleys Limited                 |            |
| B23 | ICEALION GROUP                  |            |
| B24 | Menarini International          |            |
| B25 | Troikaa Pharmaceuticals Limited |            |
| B26 | Gradian Health Systems          |            |
| B27 | Novartis Pharma                 |            |
| B28 | Fresenius Kabi                  |            |
| B29 | Surgilabs Limited               |            |
| B30 | Mediglobe Solutions Ltd         |            |
| B31 | Philips East Africa             |            |
| B32 | Kulal International - Pharmacy  |            |

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# **Exhibition Area Attendance**

# **Delegate's Name**

| #   | Company Name               | Sign/Stamp |
|-----|----------------------------|------------|
| B33 | Novartis                   |            |
| B34 | Edan Company               |            |
| B35 | Themis Medicare Limited    |            |
| B36 | Ripple Pharmaceuticals Ltd |            |
| A1  | Biocodex                   |            |
| A2  | Ambu                       |            |
| A3  | Baxter                     |            |
| A4  | Generics Africa Ltd        |            |
| A5  | Ferring Pharmaceuticals    |            |
| A6  | Pharmasell Ltd             |            |
| C16 | Pharmaco Healthcare Ltd    |            |
| C15 |                            |            |
| C14 |                            |            |
| C13 | Glenmark                   |            |
| C12 | Sunpar                     |            |
| C11 |                            |            |

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# **Exhibitors Profiles**

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Today, our ~50,000 employees around the world focus on discovering and delivering transformational medicines and products in several key therapeutic areas: immunology, oncology, neuroscience, eye care, virology, and women's health, as well as through our Allergan Aesthetics portfolio.

We care deeply for patients and customers, their families, our employees, and our communities. We strive to always do the right thing, pursuing the highest standards in quality, compliance, safety, and performance. We embrace diverse backgrounds and perspectives and treat everyone equally, with dignity and respect, allowing us all to achieve our best.

Our commitment to health doesn't stop with our medicines. Each day, we work to deliver sustainable solutions that improve the health of our business and the health of humankind.

# **AEOMED**

Founded in 2001, AEONMED is a leading R&D and manufacture, developing business over 162 countries. After 21 years developments, it becomes a main medical system solution supplier in OR & ICU field, with 1 anesthesia museum, 3 manufacturing bases, 5 R&D centers, 8 overseas subsidiaries and 50 branch offices abroad.

The products cover 3 modules with 10 product lines:

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- Bio: Fluorescence Immunoassay, Molecular Diagnoisis.

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Amiken Limited is an ISO 9001:2015 certified company dealing in the supply of Medical, Surgical, Orthopedic, Disposable & Nondisposable Products from America, Europe, Asia & Africa

Founded in June 1988 as a private limited company, Amiken supplies to most Private and Government Hospitals and Non-Government Organizations within Kenya and several hospitals in neighboring East African countries.

We specialize in the following Anesthesia & Critical Care products:

- Endotracheal Tubes, Tracheostomy Tubes, Epidural Catheters, Spinal Needles, CVP Manometer.
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In Kenya, Reddys Pharma is our Marketing & distribution partner. Our registered key products in the country are Propofol Intravenous Infusion, Paracetamol Intravenous Infusion, Bupivacaine with Dextrose Injection, Bupivacaine Injection, Midazolam Injection and Iron Sucrose Injection.



B. Braun is a family-owned company with 50,000 employees in 61 countries. The company has celebrated its 180 year-old history of leading innovation. B. Braun supplies the global healthcare market with over 5,000 products for anesthesia, intensive medicine, cardiology, extra corporeal blood treatment, and surgery, as well as services for hospitals, general practitioners, and the home care sector.

Through dialogue with those who are using B. Braun products, the company is continually gaining new knowledge which it incorporates into product development. In this way, the company provides innovative products and services and improves safety – for patients, doctors and nursing staff.

In 2013, B. Braun employees generated sales of more than EUR 5.2 bn. B. Braun is committed to every region worldwide in which subsidiaries are present. As a "Corporate Citizen", B. Braun has long been taking responsibility in an economical, ecological and social sense.







As part of its support to improve access to quality and affordable health care in Kenya, B. Braun has established a private public partnership with the German agency for Technical development (GIZ).

The activities under this partnership centered on four target areas; standards development for selected nursing commodities, training of nurses on patient and clinician safety at a selected referral hospital, quality patient and staff safety training targeting health managers, and the strengthening of health seeking and preventive behavior at community level in selected districts.



BD is a global medical technology company that is advancing the world of health by improving medical discovery, diagnostics and the delivery of care. BD leads in patient and health care worker safety and the technologies that enable medical research and clinical laboratories.

The company provides innovative solutions that help advance medical research and genomics, enhance the diagnosis of infectious disease and cancer, improve medication management, promote infection prevention, equip surgical and interventional procedures and support the management of diabetes.

The company partners with organizations around the world to address some of the most challenging global health issues. BD has more than 65,000 associates across 50 countries who work in close collaboration with customers and partners to help enhance outcomes, lower health care delivery costs, increase efficiencies, improve health care safety and expand access to health



Biocodex is a French oriented company dealing with pharmaceutical product's and having distributors in different parts of the world. Harleys Ltd is their official local technical representative and marketer.



Cachet Pharmaceuticals Pvt. Ltd is a leading Indian pharmaceutical company, and a subsidiary of Alkem Laboratories Ltd. The group ranks among the top 10 pharmaceutical companies in India. Cachet has a global presence in over 40 countries across 3 continents.

The group has several state-of-the art, manufacturing facilities. Each of the facility has a minimum of WHO-GMP approval. Other approvals within the group are US-FDA, UK-MHRA, PPB-Kenya, TFDA-Tanzania, NAFDAC-Nigeria, NDA-Uganda, FMHACA-Ethiopia, FDA Ghana, MOH Yemen etc.

Cachet offers a wide range of formulations, in acute and chronic therapeutic areas and is engaged in delivering health through innovation and quality since 1978.









Crown Healthcare is a privately owned company established in 1998 by a group of young, innovative and aggressive professionals.

Over the years, we have established ourselves as the preferred provider of world-class medical equipment and supplies across the African region. Until now, we have our presence and regional offices in Kenya, Tanzania, Uganda, Rwanda and Nigeria, with Kenya as the Head Office.

We have successfully changed the outlook and reset the expected standards of healthcare products and service delivery in the industry.

Whether you are looking to equip a medical Centre or execute a national project, we have the flexibility and experience to respond to healthcare needs at all levels.





This is what drives us: Improving Acute Care

As Your Specialist in Acute Care, we are committed to supporting you in improving clinical outcomes, managing costs, enhancing patient experiences and ensuring staff satisfaction. That's why, for over 125 years, we have been passionate about developing technologies, products, educational content and services for acute care that can help you achieve your goals

# **Our Vision and Commitment**

"Helping to reduce the number of preventable

deaths in hospitals is a pledge that I made. My personal goal goes beyond: Improving Acute Care with technologies and services that lead to therapy assistance and ultimately to hospital automation."



Edan Instruments was founded in 1995 with its headquarters in Shenzhen, China having a vision of being a healthcare company dedicated to improving the lives of people around the world by delivering value-driven, Innovative and high quality medical products and services. We provide solutions in Obstetrics and Gynaecology, Ultrasound Imaging, Patient Monitoring, Diagnostic ECG, Point of Care Testing and In-Vitro Diagnostic.

Our research and development facility are constantly finding new ways in developing new and more effective ways of diagnosing, monitoring and detecting various illnesses in the human body through technology while still maintaining a sleek design and user friendly software.



Ferring Pharmaceuticals is a research-driven, specialty biopharmaceutical group committed to helping people around the world build families and live better lives. Headquartered in Saint-Prex, Switzerland, Ferring is a leader in reproductive medicine and women's health, and in specialty areas within gastroenterology, urology and endocrinology. Ferring has been developing treatments for mothers and

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Generics Africa was founded in 1999 and is a private Pharmaceutical Wholesaler. It is incorporated in Kenya with a satellite office in Sheffield, England. Generics Africa remains extremely pro-active in regard to growing its business appropriately to fit the current competitive environment. We have developed global product sourcing networks that position







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- Last three years \*CAGR 13%
- Ranked amongst the top \*\*75 Pharma companies in the world, currently #71
- Ranked no. 3 in Kenya



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The company was established in 1964, as Insurance Company of East Africa Ltd-ICEA LTD.

It was a composite insurance company trading in both life and general business under one roof.

In the year 2012, The company merged with lion of Kenya to form ICEALION GROUP.

This was due to a government directive for insurance companies to separate their life funds from the general business.



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The Minimum Monthly contributions is KES. 5,000 while for Medical/Dental/Pharmacy







students is KES. 1,000. Members are encouraged to save regularly, borrow wisely and repay promptly.

We offer Savings (Sacco deposits), Loans (Development, Asset, Home loan Equity release, Emergency and School fees loans) and Insurance Products (Motor insurance, health insurance, Professional Indemnity, WIBA, Life Assurance, Deposit for life cover and so much more.)

Contact us today, the only financial hypermarket serving the medical fraternity.

KMA Centre, Chyulu Rd Upperhill, Nairobi Tel: 020 267 5620 / 0722 519 037 Email: customercare@.Kmasacco.com www.kmasacco.com



Kulal International Ltd imports, market and distributes various OTC and generic Pharmaceuticals for a number of multinationals throughout Kenya.

#### Vision Statement

To become the most profitable Pharmaceutical Distributor in Africa through continuous quality service, high integrity and passion in all we do for the benefit of all our stakeholders.

#### Agencies

- Human BioPlazma Human Albumins
- Medicraft Pharmaceuticals Cefixime, Fluconazole
- Novell Pharmaceuticals -
  - · Notrixum Injection (The choice of

Neuromuscular Blocking Agent).

- Notrixum (25mg/2.5ml Injection)
- Notrixum (50mg/5ml Injection)
- Composition Each ml contains 10mg Atracurium Besylate
- · Ondavell (Ondansetron)
- Injection 8mg/4ml and Tablets 8mg & 4mg

# MARTINDALE PHARMA®

# An Ethypharm Group Company

Martindale Pharma (An Ethypharm Group Company), is a leading UK-based, international specialty pharmaceutical company providing essential medicines to over 80 countries around the world.

Our strategy is to build leading positions in defined business segments where there is a high unmet medical need and a demand for improved product presentations.

Our focus is on Opioid Addiction, Emergency/ Critical /Neonatal Care, Hospital-initiated Medicines, CNS, Ophthalmic and Unlicensed Medicines (also called "Specials").



Mediglobe Solutions Ltd is a Kenyan company based in Nairobi distributing a wide range of Medical equipment and Consumables.

We are distributors for known brands like Aeonmed, Edan, Neusoft, BPL, Medsource, Farmasol, Excellance Technologies to name a few.

A preferred supplier to a number of major hospitals in Kenya, the business keeps on growing through its goals of:







- Excellent service with integrity
- · Partnership with superior global manufacturers
- · Fast and efficient distribution
- · Excellent after sales support



Incorporated in the year 2012 as a limited liability company, Medix East Africa Ltd has grown to an established entity with a vast portfolio of reputable partners.

We are an authority in the field of comprehensive operating room (Theatre) / I.C.U Solution, Comprehensive Monitoring Solution, and comprehensive NICU solution, having partnered with COMEN, a global reputable manufacturer...in this critical area.

We are a known brand in GOK (Ministry of Health) Private sector, faith based institutions and research/teaching institutions in Kenya.

We are a turnkey solution provider offering you end to end solution in your Hospital project, not limited to the following sections;

- Operating Room (Theatre)
- I.C.U
- Laboratory
- Radiology
- Dental
- · General Ward / New Born Unit

Just to mention a few departments.

We have a work force of technical people, sales and marketing, order/ dispatch team ready to respond to your needs and ensure the best possible experience.

We are your Medical Solutions Provider!



Menarini International was founded in 1886 in Naples; in 1915 its headquarters were established in Florence, Italy.

Menarini is the largest Italian multinational biopharmaceutical company with over 16,000 employees worldwide and a presence in more than 100 countries, including Europe, Africa, Middle East, Asia-Pacific, Central and Latin America. In 2017, Menarini was ranked 35th worldwide, 13th place in European Countries and came 1st place in Italy.

Menarini's aim is to conduct world class research and develop innovative medicines, making them available to patients all around the world.

In Kenya, Menarini International has partnered with Phillips Pharmaceuticals Limited as its sole local distributor.

Phillips Business Park, Mombasa Road P.O. Box 46662-00100 Tel: 0722 888 938, 0733 612 000



Company History

MIG Kenya Ltd is a privately owned corporation, established in Nairobi – Kenya in 2015.

It is composed of four different companies under one umbrella operating in the North and East Africa supplying a wide variety of nonpharmaceutical products (dialysis consumables, catheters, anesthesia & ICU consumables and a wide range of medical supplies.







#### Vision Statement

To be the country's primary source of quality products comprised of hospital, medical and surgical supplies complimented with reliable and efficient customer service.

#### Mission Statement

Deliver unmatched value to our customers by providing solutions that improve patient outcomes and healthcare delivery through clinically relevant and economically valuable innovation.

#### Values

We are integral partners working with our manufactures and customers to provide innovative ideas that solve challenging healthcare problems, and are committed to improving the health and well being of patients.



Founded in 1991, Mindray is a leading global provider of medical devices and solutions. With our broad product portfolio, we provide total solutions to hospitals. Firmly committed to our mission of "advance medical technologies to make healthcare more accessible", we are dedicated to innovation in the fields of Patient Monitoring & Life Support, In-Vitro Diagnostics, and Medical Imaging System. Inspired by the needs of our customers, we adopt advanced technologies and transform them into accessible innovation, bringing healthcare within reach. Today, Mindray's products and services can be found in healthcare facilities in over 190 countries and regions.



Novartis is a leading global medicines company that uses innovative science and digital technologies to create transformative treatments in areas of great medical need.

Our purpose is to reimagine medicine to improve and extend people's lives. We discover and develop breakthrough treatments and find new ways to deliver them to as many people as possible.

Through our core business - the discovery, development and marketing of innovative treatments - we have helped prevent and treat diseases, ease suffering and improve quality of life for people worldwide. We are committed to bringing more of our medicines to more people. no matter where they are. Novartis products reach nearly 1 billion people globally and we are finding innovative ways to expand access to our latest treatments. About 125 000 people of more than 140 nationalities work at Novartis around the world.

As the EA cluster, our aim is to become the fastest growing and trusted healthcare partner in East Africa through enhancing access to life-saving medicines across the region. We are continuously pursuing strong partnership with multi-sectoral stakeholders to ensure that we broaden access to innovative medicine as well as lower local barriers to healthcare delivery in the region.





Pharmasell Ltd was incorporated in 2008 and has since established itself as a capable, consistent and experienced member of the pharmaceutical fraternity. A combination of







technical knowledge and innovative thinking has made us a competitive company capable of undertaking a wide variety of pharmaceutical services to diverse institutions and organizations as well pharmacies, laboratories and hospitals.

We are the local agents for Hameln Pharma Plus, a German company that manufactures high quality injectables, and Indar (Ukraine) a specialized Insulin manufacturer. We are in the process of launching a medical equipment department soon.



At Pfizer, we apply science and our global resources to bring therapies to people that extend and significantly improve their lives. We strive to set the standard for quality, safety and value in the discovery, development, and manufacture of health care products, including innovative medicines and vaccines. Every day, Pfizer colleagues work across developed and emerging markets to advance wellness, prevention, treatments and cures that challenge the most feared diseases of our time.

Consistent with our responsibility as one of the world's premier innovative biopharmaceutical companies, we collaborate with health care providers, governments, and local communities to support and expand access to reliable, affordable health care around the world. For more than 170 years, we have worked to make a difference for all who rely on us.

From our East Africa headquarters located in Nairobi, Kenya, for more than 60 years, Pfizer has been delivering life-changing breakthroughs to the people of Kenya and East Africa as a whole.

Guided by our three pillars of innovation, investing and safeguarding, we work with Healthcare

Practitioners, Policy Makers, Patient Groups and other members of civil society to serve the communities in which we live and work, broadening access to medicines and strengthening healthcare delivery for the people who need it most.

Living our values of courage, excellence, equity and joy, we are a diverse team of about 32

people working daily to provide all East Africans with access to global scientific innovation that can help them to live longer, better lives. Through our commitment to the national agenda, we are contributing to the development of a strong healthcare system, as well as growth of the knowledge economy in the interest of those who need to be empowered today and to the benefit of the generations to come.

Find out more on www.pfizer.co.ke



PHARMA SPECIALITIES LIMITED (PSL), of P.O Box: 49146-00100 is located at Phillips Business Park, and Insales Complex along Mombasa Road, Nairobi, Kenya. PSL is one of the leading Pharmaceutical Distributing Company in Kenya. The company was incorporated in Kenya on 8th June. 2000.

# Pharmaco : Healthcare

Pharmaco Healthcare Limited is a leading marketing pharmaceutical company in Kenya which has been in operation since 2010. We import, market and distribute quality aordable generic products from Turkey.







In the past years, PHL has grown tremendously making it a key regional player in the pharmaceutical sector. The company's core team has an in-depth knowledge of the pharmaceutical industry and a broad experience in the areas of product knowledge, market access, marketing and sales, warehousing and distribution.

We have a strong and solid established presence in the Kenya, distributing quality pharmaceutical products with over four hundred active clients, both in public and private sector.

Our forte is in a dynamic hospital portfolio, growing in anticipation of emerging needs.

# **PHILIPS**

Royal Philips (NYSE: PHG, AEX: PHIA) is a leading health technology company focused on improving people's health and enabling better outcomes across the health continuum from healthy living and prevention, to diagnosis, treatment and home care. Philips leverages advanced technology and deep clinical and consumer insights to deliver integrated solutions.

Headquartered in the Netherlands, the company is a leader in diagnostic imaging, image-guided therapy, patient monitoring and health informatics, as well as in consumer health and home care.

Philips generated 2018 sales of EUR 18.1 billion and employs approximately 78,000 employees with sales and services in more than 100 countries.



Ripple Pharmaceuticals Ltd is one of the leading importers, exporters and distributors of pharmaceuticals products in Kenya. Established and trading since 2002, Ripple Pharmaceuticals Ltd works with Manufacturers, Hospitals, Pharmacists, Governments and individual patients with an objective of improving lives through patient access. We market essential and innovative products in the environment we work in, to enhance the quality of life, with an exceptional customer service.

With strategic locations across the world Ripple Pharmaceuticals Ltd is uniquely poised to offer a truly global solution to supply needs, in a world where the communication of information and medical knowledge is often instantaneous.

The core aim at Ripple Pharmaceuticals Ltd is to source and enhance access to quality medical products, to improve patients' lives worldwide.



Incorporated in 1998, Sunpar Pharmaceuticals Ltd., is a part of Europa Healthcare group of companies. Sunpar is one of Kenya's most respected importers, marketers and distributors of pharmaceutical, surgical and other supplementary products. An ISO 9001-2018 certified organization, Sunpar is committed to providing world-class healthcare products at affordable prices.

Sunpar also endeavours to serve as a valued partner to the medical fraternity.









SUPPLIERS OF MEDICAL & SURGICAL EQUIPMENT

Surgilabs Ltd was founded in 1980 as a whole seller of few well known products from manufacturers in Europe basically medical disposable products and laboratory equipment.

Over the years under the protective and pragmatic eye of the founder and managing director Mr. Ramesh Bhatt, the company has time and again pioneered and made history in supplies and maintenance of medical equipment in Kenya.

Furthermore, Surgilabs has been responsible for introducing products and technology in this region, becoming sole and exclusive distributors for renowned medical products.



Themis Medicare Ltd (TML) one of India's leading research-based healthcare companies focused on Hospital business segment.

All our efforts are directed towards developing & delivering novel solutions in hospital segments that cover medical needs in Critical Care & Intensive Care units. Over the years, our search for better ways of maintaining and restoring health has resulted in a steady stream of pioneered (first to the market) therapeutic products.

We deliver a unique contribution to better healthcare. Our mission is to reduce suffering and improve health and quality of life of people all around the world. We have pursued this mission with patience, dedication, imagination and skill, for over 3 decades. Our vision is to develop targeted medicines that offer patients and physicians better, safer, more cost-effective healthcare.

Themis Medicare is a Company that is dedicated to translating a great vision into reality.



Troikaa Pharmaceuticals Limited is one of the leading Indian multinational pharmaceutical companies. Driven by the passion of our multicultural workforce comprising of more than 50 nationalities, we are aggressively pursuing our mission of providing a healing touch to the patients with our innovative products in more than 84 countries.

At Troikaa, our core philosophy is "Imagine and Innovate" and as a result of that we have developed Novel Drug Delivery Platforms like AquaTech Process (painless administration of drugs), QPS (Patented Quick Penetrating Topical Solution), Intra Oral and Intra Nasal Drug Delivery, Parenteral NanoEmulsions (Virtually Painless on administration) etc.

Troikaa has developed Dynapar AQ, world's first ever 75 mg/ml diclofenac injection manufactured by US Patented Aquatech Process. Aquatech Process makes Dynapar AQ a truly versatile Diclofenac injection as it can be given through Intra-deltoid,Intra-gluteal, IV infusion and IV bolus route. Moreover, Dynapar AQ is virtually painless at the site of injection.

# 29th KSA & 9th CCSK Annual Scientific Conference







| available in Kenya.   | Bupitroy (Bupivacaine Heavy and 0.5%), Benzosed (Midazolam) and Trofentyl (Fentanyl Citrate) and Ketamax (Ketamine).  To know more about the company please visit |  |
|---|---|--|
| In Kenya Troikaa offers the wise spectrum of anesthesia products like Isotroy (Isoflurane), |   |  |
| Sevotroy (Sevoflurane), Troypofol (Propofol as  | www.troikaa.com.  |  |
| nanoemulsion),  |   |  |
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