



THE PAACS BULLETIN

Monthly Newsletter
Issue #212
March 2022



Residents, faculty, staff and volunteers at the recent Basic Science Conference in Kenya



*New Resident at AIC Kijabe Hospital in Kenya,
Dr. Brian Odhiambo Ooro*



Dr. Ron Cheney, part-time faculty for the PAACS Program at Malamulo Adventist Hospital in Malawi with a patient

In This Issue of the Bulletin

- From the Desk of the CEO
- Basic Science Conference 2022
 - Report by Dr. Keir Thelander
 - Photo Gallery
 - Spiritual Dean Message
- Current Programs:
 - White Coat Ceremony at Soddo Christian Hospital, Ethiopia
 - New 2022 Residents:
 - AIC Kijabe Hospital, Kenya
 - Tenwek Hospital, Kenya
 - Arusha Lutheran Medical Centre, Tanzania
 - Nkhoma Mission Hospital, Malawi
 - Bongolo Hospital, Gabon
 - Mbingo Baptist Hospital, Cameroon
- Dr. Ron Cheney, a Surgeon Serving on Two Continents
- Esophageal Cancer and Research
- PAACS Live Webinar
- PAACS Graduates Featured in World Magazine
- In Memory of PAACS Friend, Mark Jacobson
- Prayer Requests
- Surgery Updates

From the Desk of the CEO



By Susan Koshy, JD, MPH
Chief Executive Officer

Dear PAACS Family:

Praise God for taking PAACS victoriously through our first audit as a stand-alone, not-for-profit organization. PAACS recently underwent an audit by an independent auditing firm of its 2020-21 financial records to ensure compliance with Generally Accepted Accounting Principles (GAAP). This independent audit included an examination of a sample of PAACS financial records, accounts, business transactions, and internal controls. These documents and procedures were reviewed by the audit firm of CapinCrouse.

Audited financial statements are considered a good practice because it provides assurance to donors and granting organizations that the not-for-profit's operations are free of material misstatements due to fraud or error. The audit also shows the organization's reliability, integrity, and willingness to be transparent with its donors. Not every nonprofit must undergo an audit. However, PAACS, because of its size and annual budget, was required by law to have its finances and records audited.

The process for an audit can be arduous and time consuming. Though it was a laborious and taxing process, we are pleased to announce that PAACS received a clean and unqualified audit.

Thank you to all of the staff, volunteers, and CapinCrouse who worked diligently to make the first PAACS audit a successful one. Most of all, we PRAISE and HONOR God who guided us through this audit.

Blessings,

Susan Koshy, JD, MPH
Chief Executive Officer
Pan-African Academy of Christian Surgeons



**Basic Science Conference –
Brackenhurst Conference Centre –
Limuru, Kenya
February 27 – March 10, 2022**

By Keir Thelander, MD
Executive Vice President

This year, 56 first and second year residents attended the Basic Science Conference at Brackenhurst Conference Centre in Kenya at the beginning of March. We praise God that everyone who planned to attend arrived safely, on-time, and healthy with no positive COVID-19 tests!

While the week was filled with numerous workshops and courses, it also included a study on the book of Galatians from Rev. Ed Scarce, which was very well-received. Dr. Elizabeth Mwachiro coordinated a workshop entitled, “Non-Technical Skills for Surgeons” (NOTSS - <https://www.notss.org/>) which focused on situation awareness, decision making, communication/teamwork, and leadership.

In addition to resident training, the PAACS Program Directors presented to one another and, through their discussions, many were encouraged. Also throughout the week, approximately ten faculty members participated in the Saline Process training which is a tool designed to equip and mobilize Christian healthcare workers as witnesses of the love and reality of Jesus at the bedsides and in the clinics where they work.

Beyond trainings, workshops, and discussions, on Friday evening a cookout provided great fellowship among all involved in the PAACS family. Thank you to everyone who had a part in this successful in-person conference this year!

BASIC SCIENCE CONFERENCE: MARCH 2022

Fifty-six first and second year residents attended the Basic Science Conference at Brackenhurst Conference Centre in Kenya at the beginning of March. The conference provided surgical and non-surgical training, spiritual renewal, and much needed fellowship during this era of COVID.



Living the True Gospel in a Troubled World: A Study of Galatians

by Dr. Ed Searce
PAACS Spiritual Dean

At the PAACS' Basic Science Conference at Brackenhurst in March 2022, I had the privilege of leading ninety residents and surgical faculty through a study of the book of Galatians. The title for the study was "Living the True Gospel in a Troubled World". The Galatian believers were undergoing great internal stress concerning the doctrine of "justification by faith in Christ alone" as opposed to "justification by the keeping of a set of laws". The Apostle Paul was greatly disturbed by this egregious distortion of the Gospel. So, he writes to correct this heresy and set the Galatian church back on a solid theological foundation.

Paul uses the word "justify" ten times in this short book. He states that because we have been justified by the work of Christ, we are now set free (Ga. 5:1). This is not freedom for careless living but freedom to live by the empowering presence of the Holy Spirit. The exhortation for every believer is to "...keep in step with the Spirit" (Ga. 5:25)

On the last day of the conference, eight residents and one faculty member were given four minutes each to share something they had learned from the study. It was a powerful time of sharing from the Word.

Dr. Zach O'Connor, Program Director at Bongolo in Gabon, stated his takeaway from the study included three reasons to be thankful.

1. Thankful for God's faithfulness in perpetuating the spread of the true Gospel through the centuries and across the world.
2. Thankful for the faithfulness of those who shared the true Gospel in our lives.
3. Thankful for the personal honor we have as disciples to transmit the true Gospel to others.

Paul's life verse could be Galatians 2:20: "I have been crucified with Christ. It is no longer I who live, but Christ who lives in me. And the life I now live in the flesh I live by faith in the Son of God, who loved me and gave himself for me." Perhaps that is a great verse for each of us.



CURRENT PROGRAMS

SODDO CHRISTIAN HOSPITAL



White Coat Ceremony March 2022 Soddo Christian Hospital, Ethiopia

"Now that I, your Lord and Teacher, have washed your feet, you also should wash one another's feet. I have set you an example that you should do as I have done for you. Very truly I tell you, no servant is greater than his master, nor is a messenger greater than the one who sent him." (John 13:14-16)

On March 23rd, the PAACS programs at Soddo Christian Hospital in Ethiopia held their White Coat Ceremony for the new PAACS surgery residents. The faculty displayed the servant-leader character of Jesus by washing the feet of the new residents. This was done to remind all that we are called to serve. Dr. Gezahegn, a PAACS resident, shared a message about the importance of serving others based on John 13, in which Jesus washed the disciples' feet.



CURRENT PROGRAMS

NEW RESIDENTS



PAACS NEW RESIDENTS: START TRAINING in 2022

Check out the January and February issues of the Bulletin to see the other new residents that have been featured. This is the final installment of new resident spotlights.

AIC Kijabe Hospital

Dr. Faith Macharia - General Surgery

Kenya



"PAACS trains you to offer holistic treatment while attending and managing patients. This is not your usual medical practice! The profession becomes a calling instead of a career - a higher calling to touch the wounded and treat their ailing bodies and ultimately to point them to Christ. I pray that I may be found faithful to this great calling - that the surgical skills acquired will be used for the greater good of my patients and that, in the end, Christ will be seen in me."

Dr. Rebecca Wangari Dufe - Anesthesia

Kenya



"After my training, I plan to work diligently in the field. I would love to also pursue some form of teaching, particularly of undergraduate medical students and general patient education. I find it very refreshing to be trained by an institution that not only cares about my professional skill and advancement, but also about my heart in relation to Christ. It is definitely a more holistic approach to create a well-rounded medical professional."

Dr. Eunice Kageha - Anesthesia

Kenya



"After the program, I would like to major in critical and emergency care. This is because I have noticed a shortage of this especially in my own country. Hopefully I will acquire the skills to serve patients and also teach others who may want to venture into the same field. For me, PAACS is ideal because it is a holistic approach to academics, feeding us mentally and spiritually."

Bongolo Hospital, Gabon - General Surgery

Dr. Noble Kufa

Zimbabwe



"My dream has always been to give back to the community. As a person who has benefited from a number of scholarships throughout my education, I plan to be able to help the less fortunate and, God willing, open a hospital to help benefit the communities back in Zimbabwe. Not only is the PAACS program an opportunity to grow my career, it is a very good chance to grow my faith in God and learn the Christian life."



PAACS NEW RESIDENTS: START TRAINING in 2022

Check out the January and February issues of the Bulletin to see the other new residents that have been featured. This is the final installment of new resident spotlights.

Tenwek Hospital, Kenya - Obstetrics/Gynecology



Dr. Fred Odongo

Kenya

"When I finish training, I want to contribute towards alleviating human illnesses. I intend to practice obstetrics /gynecology while conducting research that will add to evidence-based medical practices. During my internship, I met Dr. James Joseph Apollo, a PAACS graduate. He told me about his journey with PAACS, and I would like to have the same journey in my training."



Dr. Muthoni Wachira Zipporah

Kenya

"I greatly admired the work of Dr. Elijah Mwaura, a PAACS graduate and the fact that he worked in an unashamedly Christian way. I also want to serve people in a way that brings honor and glory to God, in a way that shows people that there is a God, that He exists, and that He loves and cares for His people. With this in mind, I believe that training with PAACS will help me achieve my goals."

Arusha Lutheran Medical Centre, Tanzania - General Surgery



Dr. Frida Fidelis

Tanzania

"After completing my training with PAACS, I will help the neglected poor people that cannot afford surgical care. The PAACS program trains highly skilled, competent, hard-working, God-fearing doctors, and it will be an honor for me to be a part of the program. I will put God first in everything I do."



Dr. Peter Ally Kayange

Tanzania

"I am eager to pursue this surgical training to fulfill my lifelong dream of helping the underserved communities by treating them surgically and sharing spiritual advice for their problems. In my culture, many diseases like inguinal hernias and goiter are highly associated with superstition and curses from their dead gods. (70% of all patients with these conditions had traditional therapeutic marks on the swelling). Under PAACS training, I am confident that I will be well equipped both surgically and spiritually to attend to the problems of my patients in all aspects and from all angles."



PAACS NEW RESIDENTS: START TRAINING in 2022

Check out the January and February issues of the Bulletin to see the other new residents that have been featured. This is the final installment of new resident spotlights.

Nkhoma Mission Hospital, Malawi - General Surgery



Dr. Caleb Mzati Kapengule
Malawi

"Throughout medical school, we opened up small clinics in rural areas and ministered to the sick while sharing the gospel. There is no better place to learn surgery than at the feet of the Master, the Great Physician, Jesus Christ. I believe PAACS offers the right environment to equip me as I answer the Master's call in Mathew 28:19 to minister to the surgical needs of the underprivileged while sharing the good news of salvation through Jesus Christ."



Dr. Dr Vitumbiko Mwafulirwa
Malawi

"When a patient gets well, his doctor 'feels' good - a personal warm glow that tells him once again what being a doctor is. Assisting people who are ill or injured has been and continues to be a rewarding dimension of the surgical profession for me. Pursuing a career as a surgeon with PAACS at Nkhoma Mission Hospital is a journey I am very excited about. With God's help, I will continue to serve humanity by using the acquired skills for the benefit of the less fortunate in Malawi and beyond."



Dr. Ron Cheney

A Surgeon Serving on Two Continents

Dr. Cheney is part-time faculty at the PAACS General Surgery Program at Malamulo Adventist Hospital in Malawi.

PAACS: What led you into becoming a surgical missionary?

DR. CHENEY: I am not sure I had much choice. I grew up as a missionary kid in Eswatini (Swaziland) Africa, and this influenced me in many of my life choices. Although my parents were not medical missionaries, I had been exposed to a large mission hospital in Manzini, Swaziland, which sparked my interest in becoming a doctor. So, from the age of eight or so, I have always wanted to be a doctor. One of our family friends was a surgeon, and this is most likely where my interest in surgery came from. Growing up in Africa made me feel that this is my home, so it is very easy to come back to Africa to work as a surgeon. Fortunately, God has opened doors for me to come in this capacity to serve people in Malawi with PAACS.

PAACS: Why did you choose to work with PAACS over other organizations?

DR. CHENEY: Having grown up in Africa, I have always wondered what will make a difference in the spiritual and medical health of Africa. Developing surgeons and leaders who have a heart for their own people seems the best way to develop this. Fortunately, PAACS already had this vision, and it was very easy to come on board with this.

PAACS: Where is your home base and practice?

DR. CHENEY: My home base is in the rural part of Iowa, and I cannot thank the hospital at Lake City, Iowa enough for letting me live my dream of working as a surgeon in Africa. At home, I work as a rural surgeon which gives me a broad surgical practice that is very helpful when practicing in Africa. I live in Carroll, Iowa, not far from Lake City, and I also help cover surgical care there.



Dr. Ron Cheney

A Surgeon Serving on Two Continents

PAACS: How much time do you spend at home vs. in Malamulo?

DR. CHENEY: Currently, I am trying to do a schedule of three months at Malamulo and nine months at home. Usually, I come to Africa from January to March. COVID did affect this some, but I am hoping to get back on this schedule. The great thing about my hospital is that they pay me over 12 months, and I am able to maintain my health insurance and benefits. The three months that I am gone are like a sabbatical. This also helps in my ability to maintain CME and licensure. Fortunately, the surgeons that are in the area are willing to provide care while I am gone. I cannot thank all those who help out with this mission enough.



PAACS: Do you have a family? If so, how do they cope with this lifestyle?

DR. CHENEY: I am very blessed with a wife and three children. My wife is a pediatrician, and we tried to have her come with me for part of the time. However, COVID and some job changes have made it difficult the last few years. Hopefully, in 2023, she can join me. Our children are in college or beyond, so this is another reason I have been able to choose this life - to work as a mission surgeon.

PAACS: What is your motivation for serving in the way that you do?

DR. CHENEY: Christ's love enables me to do what I do. That is my main motivation. I feel that Christ has blessed me in so many ways that I cannot help but desire to work with young Christian surgeons who will transform Africa over the years to come. Sharing Christ's love with patients and hospital staff is a great joy. Praying during surgery makes a difference. I think some of the most exciting transformation is seeing the spiritual and surgical growth in the PAACS residents as they transition through their five-year program.



PAACS: What advice can you give to other surgeons who God may be calling into ministry?

DR. CHENEY: Trust God, and He will open doors and give you a path in His timing. Some specific things that can be done is becoming involved in PAACS. This will expose you to opportunities. Ask your work and work partners, as well as your family, what they would think of you spending some time in mission work. You don't have to serve for years or even months to make a difference. Doing two weeks somewhere can be a great blessing to you and those you work with.



Esophageal Cancer and Research

By John Tarpley, MD
PAACS Academic Dean

“*Research has not been a priority for FBOs or PAACS historically, but - 'the times are a-changin'.*”

“I love the fact that Tenwek in rural Western Kenya has overwhelmingly the largest series of stents in the world - and are able to collect data over time so it can be published. They likely put in more stents in a month than Mayo inserts in a year.” This quote from March 2022 is from David Fleischer, Professor of Internal Medicine/Gastroenterology, Emeritus, at the Mayo Clinic. (1)

Academic medicine/surgery is often presented via a Venn Diagram with three overlapping circles entitled: patient care, education, and research. Historically, faith-based organizations (FBO) focused on patient care. The WHO in the 1980s commented on the substantial proportion of medical care provided by FBOs for the rural areas of sub-Saharan Africa. In this current era, the contribution of FBOs to patient care has often been overlooked and/or under acknowledged. (See Davis RE, Hansen EN, Newton MW. Comment & Response: Faith-based organizations and academic global surgery's moral imperative. JAMA Surgery 151(3): 296, 2016.)

Education has been a historically important part of the mission of FBOs in the 20th century, focused initially on nursing and midwifery education and training. Christian Medical College, Vellore in Tamil Nadu, India, commenced post-graduate residency education in the 1900s. It was not until the 1960s that the Baptist Hospital Ogbomoso in Nigeria initiated their first training program for physicians. PAACS launched in 1996 and has defined its specific Mission and Vision for training surgeons and now anesthesiologists and obstetricians/gynecologists.

Research has not been a priority for FBOs or PAACS historically, but - “the times are a-changin”.

Squamous cell carcinoma of the esophagus incidence varies geographically with areas of high incidence in northern China, northeastern Iran, southern South America, and the eastern corridor of sub-Saharan Africa which largely follows the Rift Valley from Ethiopia through Kenya down to South Africa. Distinctives related to patients in this eastern corridor where multiple PAACS programs are centered include late presentation with near total obstruction, high stage, and often at a young age. Ninety percent of patients are not candidates for curative-intent options, and treatment goals are for palliation. Most die within six months of presentation.

Dr. Michael M. Mwachiro, a PAACS general surgery graduate, faculty member, General Surgery Program Director, and surgical endoscopist, with Dr. Stephen L. Burgert and Dr. Russell E. White of Tenwek Hospital in Kenya and Dr. Mark D. Topazian, a SIM gastroenterologist in Ethiopia, joined forces with ~ 30 colleagues from Kenya, Tanzania, Malawi, Zambia, South Africa, the UK, France, and several US medical centers and the National Cancer Institute to form African Esophageal Cancer Consortium (AfrECC). Their goal is to better define the challenge of this cancer, its etiologies and patient demographic data in hopes of improving our knowledge, prevention, detection, treatment, and the abysmal outcomes related to SCCa of the esophagus in SSA. Dr. Mwachiro has co-authored multiple articles in the past four years on the findings with AfrECC and from his team's studies in Kenya. See the Journal of Global Oncology 4:1-9, 2018.

PAACS hopes to launch a fellowship in Surgical Endoscopy within the next year located at Tenwek under the direction of Dr. Mwachiro. Of note, Dr. Russ White has been active academically for decades at Tenwek, and 'team Tenwek' continues to be actively abetting COSECSA, presenting, and publishing.

In a future Bulletin entry, we will look at surgical education articles produced by PAACS Tenwek faculty Andrea and Robert Parker and colleagues. [See Recent Articles in this issue.](#) PAACS residents and faculty have been active in presenting at local and regional conferences, such as the annual meeting of COSECSA. The annual meeting for COSECSA 2022 is scheduled for Windhoek, Namibia December 5-8.

(1) *Endoscopy International Open 2022; 10: E1-E9, DOI 10.1055/a-1783-9829, Predictors of adverse events and early mortality after esophageal stent placement in a low resource setting: a series of 3823 patients in Kenya, Michael Mwachiro, Robert Parker, Justus Lando, Ian Simel, Nyail Chol, Sinkeet Ranketi, Robert Chepkwony, Linus Pyego, Caren Chepkirui, Winnie Chepkemoi, David Fleischer, Sanford Dawsey, Mark Topazian, Steve Burgert, Russell White. In Press.*

PAACS Live
ONLINE WEBINAR

US/Canada: Tuesday, March 15, 2022
8:00 PM ET | 7:00 PM CT | 6:00 PM MT | 5:00 PM PT

Special Interviews with:
Dr. Salvador de la Torre and Dr. John Mellinger



Hear the latest news about how PAACS is impacting Africa by training and discipling African physicians to become surgeons for Christ.

PLEASE SHARE



with Dr. Keir Thelander
PAACS Executive Vice President

Dr. Salvador de la Torre is the Hospital Director of Nkhoma Mission Hospital in Malawi, one of PAACS newest training sites.

Dr. John Mellinger is a part of PAACS Leadership and the Vice President of the American Board of Surgery.

They will be available during the webinar to answer questions.

PAN-AFRICAN ACADEMY OF CHRISTIAN SURGEONS

PAACS Live Webinar

On March 15th, Dr. Keir Thelander, PAACS Executive Vice President, presented a live webinar with updates on the work of PAACS in Africa, as well as interviews with Dr. Salvador de la Torre, Director of Nkhoma Mission Hospital in Malawi, and Dr. John Mellinger, Vice President of the American Board of Surgery.

You can view the webinar now on the PAACS YouTube Channel by clicking the button below.

[Watch Webinar](#)

World Magazine Article

Combating disease and brain drain

An entirely African operating room in Liberia is the fruit of decades of a Christian surgical training program and African surgeons' sacrifices



Three PAACS graduates who all serve at ELWA Hospital in Liberia were recently featured in an article in World Magazine. Read the article by clicking the image above.

These three graduates will also be featured in the upcoming PAACS Alumni Newsletter.



Received His Final Reward
By Wendy Willmore, MD

In Memory of PAACS Friend - Dr. Mark Jacobson

Many in the PAACS Community will mourn the passing of Dr. Mark Jacobson. Dr. Jacobson was a medical missionary (internal medicine, public health) for nearly 40 years in the region of East Africa. He and his colleagues were responsible for the building of Selian Lutheran Hospital, Arusha Lutheran Medical Center, the large associated hospice program, and the children's rehabilitation program (Plaster House) in Arusha. He also was very instrumental in developing the Foundation for Cancer Care in Tanzania.

In the last half of his career, Dr. Jacobson's focus sharpened on educating the next generation. Multiple scholarships, medical internships, and nursing schools were established. He and his Tanzanian colleagues had built a large surgical emphasis into the hospitals and wanted to train the next generation of Christian surgeons. Mark made the connection to PAACS. PAACS' requirements were not easily met in the beginning, and during the wait for God's timing, some grew restless. However, Dr. Jacobson insisted that PAACS was the best way forward. Finally, after a seven year wait, in God's time, Mark's faith was rewarded and the Arusha PAACS program was established in 2014. **Under Dr. Jacobson's leadership and that of his successor, ALMC grew, and with that, opportunities for Arusha PAACS residents. He was a tireless advocate for our surgical education program.**

In his retirement, Dr. Jacobson continued to contribute to Arusha PAACS, speaking on the theme of compassion for a long spiritual retreat. He was instrumental in opening a new work in Juba, South Sudan, with emphasis on primary health and was organizing a second obstetric fistula camp there when he was diagnosed with glioblastoma multiforme. During his last illness, he was busy recruiting his neurosurgeon to serve with the Foundation for Cancer Care in Tanzania. He graduated to Glory on February 11, 2022. At his funeral service, he was described as a "righteous man, reconciled to God by Christ's work and passionate about Christ's work of reconciliation of the whole person". Mark's definition of love was described as "stubborn, unwavering commitment to those he served". His legacy will live on in many physicians and other HCWs in East Africa and all over the world, including PAACS faculty and residents.

PRAYER REQUESTS

- Pray for Dr. Sherif Hanna, previous Program Director at Harpur Memorial Hospital in Egypt, as he recovers from bone marrow transplant surgery.
- Pray that God will lay the need for short-term surgeons to assist the programs on the hearts of those who are willing to respond. Pray for the resolution of the ongoing COVID-19 pandemic in Africa which continues to interfere with some travel plans.
- Pray for the upcoming PAACS Board of Directors Meeting on April 29-30th, that God would guide and direct our leadership and keep all who are traveling to the meeting safe.
- Please pray for all new residents who started in January 2022.
- Pray for peace and stability in the PAACS countries, especially for the ongoing tribal unrest and famine in Ethiopia and the recurrent civil unrest in Cameroon.
- Pray for the continued rollout of the Saline Process throughout all the PAACS training sites.
- Pray that PAACS will glorify God and be used to impact Africa for His Kingdom. Pray that many lives will be saved through surgery and many people will come to know the love of Jesus.
- Pray that God will bring His chosen long and short-term missionary and national surgeons to help train African residents in the PAACS training programs.
- Pray for PAACS graduates that are serving God's people. Pray for God's grace, protection, provision, strength, and blessings to cover the PAACS graduates.
- Pray for all the PAACS faculty members and the hospitals – for personal health and safety and for financial viability of the charity hospitals in this tough time.
- Pray for those surgeons who are planning to join PAACS in the next few years – as they complete their residencies or fellowships, as they find a sending agency, as they raise the necessary money, and as they prepare for the major cultural shifts.
- Pray for the PAACS graduates and African nationals who will be preparing to become PAACS faculty, that God would prepare them spiritually and give them direction in all they do.

SURGERY UPDATES

Compiled by Margaret Tarpley

- Reflections on clinical mentorship in surgical practice, training, and research, by Michael Mwachiro, Andrea Parker
- The global level of harm among surgical professionals during the COVID-19 pandemic: A multinational cross-sectional cohort study.
- Prevalence and factors associated with preoperative anxiety among patients undergoing surgery in low-income and middle-income countries: a systematic review and meta-analysis.
- Global, regional, and national burden of diseases and injuries for adults 70 years and older: systematic analysis for the Global Burden of Disease 2019 Study.
- Transforming Trauma Care for Optimal Outcomes.
- Run Through a Troop, Leap Over a Wall: The 4-Delay Model of Access to Global Surgery Education.
- Barriers in surgical research: A perspective from the developing world. These barriers could broadly be classified under social and cultural, infrastructure, financial, ethical, and personal categories. These barriers are often not fully realised, but can potentially be addressed with concerted efforts to continue the advancement of medicine for everyone.
- Design of a Novel Online, Modular, Flipped-classroom Surgical Curriculum for East, Central, and Southern Africa.
- An Online, Modular Curriculum Enhances Surgical Education and Improves Learning Outcomes in East, Central, and Southern Africa: A Mixed-Methods Study.
- Learning NOTSS While Tying Knots: Integrating the Nontechnical Skills for Surgeons Course With Technical Surgical Skills Training, A Mixed Methods Study.
- Four reasons why too many informed consents to clinical research are invalid: a critical analysis of current practices. Main arguments (1) IC documents are too long to be read completely, thus, make it very difficult for potential participants to identify the material facts about the trial. (2) The low readability of the IC documents disadvantages persons with limited literacy. (3) The therapeutic misconception frequently prevents participants to realise that the primary purpose of clinical research is to benefit future patients. (4) Excessive risk disclosures, insufficient information about expected benefits and framing effects compromise a rational risk/benefit assessment.