



Tech4Life
Enterprises

TECH4LIFE ENTERPRISES NEWSLETTER NOVEMBER 2019

Providing state-of-the-art telemedicine and point-of-care solutions



INNOVATIONS FOR IMPACT

Theme of the Newsletter: 'Growing Innovations and Products'

Letter from CEO

**New Innovations, New Products, and New
Accreditations help Tech4Life Reach new Markets
around the World.**

Due to the highly successful response on eSeth Lite - Digital stethoscope. Tech4Life team is proud to announce the addition of a new range of stethoscope. The newly introduced eSteth Classic and Cardio stethoscopes offer a highly durable and acoustically advanced non-digital models to the existing digital stethoscope to create an all new eSteth line up. These highly advanced stethoscopes are now available in several countries at an extremely affordable price, compared to other similar brands of the same class. The purpose of introducing these stethoscopes is to offer variety of stethoscopes for all types of users. The introduction of this entire range will ensure that eSteth is recognized as the leading brand in Stethoscopes for all users and for their uses.

Choose the **eSteth** that's perfect for you

eSteth Classic



eSteth Cardio



NEW
Products

eSteth Classic contains a traditional two-sided chest piece, with bell and diaphragm. Both the chest piece and earpiece are made of stainless-steel offering high durability. The eSteth Cardio stethoscope contains a single headed advanced chest piece, designed specifically to capture all frequencies of Cardiac sounds. Tech4Life will also be soon introducing the Pediatric version of Classic Stethoscope, designed for infants and children. All these models have already got regulatory approvals for CE, Health Canada and FDA. Tech4Life has also obtained Free Sales Certificate for selling these stethoscopes and is in the process of signing distributors all over the world. Contact us today to see how you can become a leading stethoscope distributor in your area.

Adding New Resellers and Distributors in Several Countries for eSteth Sales

Tech4Life Enterprises has developed a reseller network in Pakistan for our stethoscope Brand “eSteth”. With a total of 23 resellers covering South, Central & Northern regions of Pakistan, we are actively promoting the whole eSteth Range (which includes): eSteth Classic, eSteth Cardio and eSteth Digital Lite.

The objective of developing the resellers network is so that customers can experience the product and provide us with feedback. Our post-market surveillance as proven to be positive and we have even obtained some new orders for our new high in-demand product range.

Tech4Life Enterprises has also developed the supply chain channel to provide support to the resellers and to ensure the availability of eSteth all over Pakistan and soon all over the world.



When it comes to distributorships, Tech4life believes in building strong bonds with its distributors and maintaining strong ties all over the globe. To give some perspective, we have several distributors in Asia and Africa. These partners and distributors in Asia and Africa have enabled us to have access to the international market and ensure that our products and services have a global coverage when it comes to maximizing outreach, and profitability. These distributors are working actively with the government, social organizations and private health providers to ensure adoption of digital health solutions for improvement in health.

Tech4Life has always strived towards collaboration with companies founded by passionate entrepreneurs and determined founders who turn their innovative ideas into successful businesses. Distributors have been reaching out to us for the new eSteth Range. We have been continuously supporting our prospective distributors with marketing and communication planning to promote the eSteth Range at the client level and make strides in the stethoscope market.

These partnerships are expected to enhance the global footprint of Tech4Life with the introduction of its innovative solutions in different territories.

Participation at the Global Digital Health Forum

Tech4Life is proud to announce our participation at the Global Digital Health Forum on Dec 9-11 at Bethesda, MD, USA, where Tech4Life has been invited to present three highly innovative Digital Health solutions. These include:

1. **SmartHB:** Tech4Life will present its highly innovative Non-Invasive hemoglobin monitor on Dec 9th to the global audience. The device monitors hemoglobin levels without any blood loss and has been tested in various countries. Tech4Life has recently developed advanced prototypes of this device, which will be presented at the forum.
2. **NewPneu:** This technology has been invented in partnership with Sheridan College, Toronto to help the community-based health workers to assess children with pneumonia and ensure early detection of high-risk cases which need to be referred to hospitals. Since Pneumonia is a largest killer of children ages 5 and under, this device can play an important role in empowering frontline health workers and saving the lives of millions.
3. **Mental Health Application:** Tech4Life will also present the results of its highly impactful mental health project in Afghanistan. This project was implemented in partnership with the Ministry of Public Health and Aga Khan Health Services and was funded by Grand Challenges Canada. The project used mobile based tools to empower health workers in educating the community, screening young adults and referring high-risk cases for early diagnosis and treatment.

The theme for this year's Digital Health Forum is: Celebrating Innovation and Supporting Proven Practices at Scale. The forum seeks to balance the need for evidence-based scaling of proven systems with the urgent need to determine how emerging technologies and approaches can dramatically improve health outcomes.

Participation in Arab Health 2020

Arab Health is one of the largest trade fairs for health-related products in the world. Tech4Life has been participating at Arab Health for 4 years, but this year it has decided to exhibit at a high scale by having a large stall at the Health Infrastructure zone. Tech4Life will exhibit its highly innovative Digital health products for the health care markets at Arab Health, being held in Dubai, UAE, on January 27-30, 2020. Key products being showcased by Tech4Life will include:

1. Telemedicine Software (MDConsults) for Web and Mobile based telemedicine initiatives.
2. Digital Stethoscope (eSteth) for advance auscultation and use with Telemedicine solutions.
3. Telemedicine Kits (Sojros) for use in remote areas and disaster zones. These kits are available in Class, Advanced and Maternal versions.
4. eSteth Classic, Cardio and Pediatric versions for auscultation in all types of health care setups.



Where the world of
healthcare meets

We are expecting distributors and clients from several countries around the world to visit our stall and benefit from Tech4Life's innovations.

**Meet us at
Arab Health**

27 - 30 January 2020

Arab Health 
By Informa Markets

Participation in IOT Technology Showcase

Innovation is key for advancement. That is why we were so glad to have participated as one of the many vendors at Driving Dreams 2019: IoT Technology Showcase and Demo Day. Business all around the Toronto region came to demonstrate their creative technologies and innovations. Tech4Life participated by showcasing our MDConsults platform while also demonstrating it's versatility with plug n' play devices such as a dermascope and our eSteth Lite. MDConsults' ability to connect anyone around the world to reliable healthcare makes it one of the leading telemedicine cloud services today.

Tech4life was able to meet with many other exciting vendors and partners at the event. Including our partners at Sheridan, who have been working with us to develop our new research and development projects like our SmartHB. We're making great progress with them and are hoping to commercialize in the near future.

Thank you to the RIC Centre for setting up a such an amazing networking event. Be sure to stay tuned to our website and social media accounts to see what other showcase events we'll be participating in.



IOT Technology Showcase

New Prototypes of SmartHB

Anemia is a condition where there is a deficient number of red blood cells in your body that can result in weariness, fatigue or even pain. Anemia is rarely diagnosed by physical examination alone, but typically the process involves the measurement of hemoglobin by collecting a blood sample and sending it for laboratory analysis. If the treatment is delayed due to laboratory or diagnostic testing, the patient's outcome may be compromised. For example, in emergency rooms, pre-operative and/or intensive care units, rapid and continuous evaluation of total hemoglobin is crucial to quantify blood loss and / or the need for transfusion.

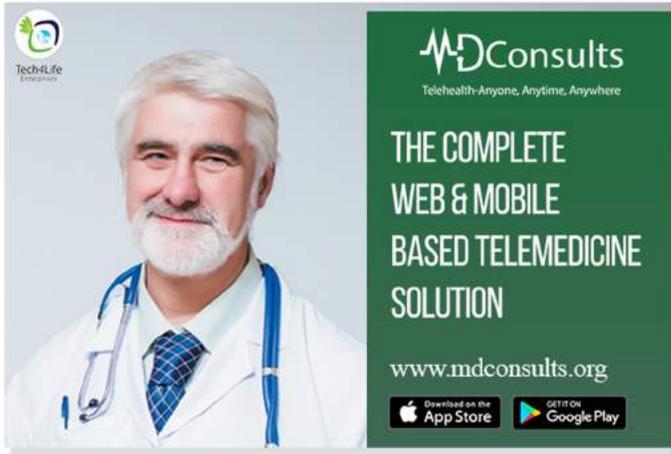
A total of 1500 volunteers (900 males, 600 females) were tested in reference to their hemoglobin values which ranged from 5.3 to 17.5 g / dl. The mean error (bias) of the non-invasive readings on the reference comparison was 0.03 g / dL, with the mean absolute error being 0.78 g / dL of 0.93 g / dL hemoglobin, successfully measured by Tech4Life Enterprises' SmartHb monitor. The hemoglobin values obtained with the SmartHb correlated significantly with the venous hemoglobin levels, with a correlation coefficient of 0.48. A hemoglobin score of less than 11.5 g / dL on the SmartHb had indicated a sensitivity of 82% and a negative predictive value of 95% when compared to venous hemoglobin levels less than 11 g / dL.



The SmartHb has been successfully tested in a variety of settings, including hospitals, public health screenings, women's health, mobile health and home care. The results from evaluations of Smart Hb are promising. Many measurements appear to have similar accuracy. Nevertheless, there is room for improvement of the technology for educating clinicians on the best use of the hemoglobin monitoring technology and adapting clinical pathways to take advantage.

Tech4Life Enterprises is now taking our findings one step further by finalizing a prototype. Once the prototype has been finalized, we'll go through further testing in different countries and go into production in the near future. We at Tech4Life are hoping to make a global impact and save millions with our SmartHB monitor.

Our Products & Services



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‘MDConsults’ is world’s fastest growing, HIPAA compliant Telemedicine platform, aimed at improving access to healthcare around the world

eSteth - Quality sounds for better diagnosis

Choose the **eSteth** that's perfect for you



eSteth
Sounds. Beyond. Boundaries.

eSteth Classic **eSteth Cardio** **eSteth Life - Digital**

*Redefining
Access to Care*



World’s first complete telemedicine kit designed for practice of Telemedicine in remote, mobile and disaster situations

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