



ARITHMOS
INFORMATION TECHNOLOGY

News & Events

FROM ePRO to iPRO: ARITHMOS LOOKS AT PATIENT RECORDED OUTCOMES

One of the fastest growing segments of the electronic clinical trial market is electronic Patient Recorded Outcomes (ePRO). ARITHMOS explores the new technologies available and their benefits.



The adoption of electronic clinical trial technology has grown rapidly as clinical trial leaders discover new ways to streamline the drug development process. As Patient

Recorded Outcomes move from a paper to electronic platform, new devices are available for recording patient data. These new devices can increase trial efficiency as well as patient compliance. As this market continues to grow, it is important to know which ePRO devices can best serve clinical trial needs.

While some clinical trials are still conducted using paper Patient Recorded Outcomes (or even a hybrid model), switching to ePRO can save money and produce better quality data. Another added benefit to ePRO is patient preference. According to the Drug Information Journal, 88 percent of patients – as well as 91 percent of clinical staff – prefer ePRO to paper. Therefore, it is no surprise that patient compliance increases significantly with ePRO solutions, up to approximately 90 percent as compared to 30 percent with paper.

The next question is how to electronically collect patient data. The Web is an ideal tool, however new technological devices – such as laptops, smart phones and iPads – may be a better bet. If using a Web-based solution, clinical trial leaders risk losing data or patient compliance if the Internet does not work properly, or if the patient is distracted by external factors. Devices, on the other hand, can be provided individually to each patient. Devices also allow the questionnaire to appear in the same format for each patient.

Therefore, which devices are the best for collecting patient data electronically? Netbooks and laptops are ideal for patient compliance because of their large screens which can display multiple questions and responses. The data is then submitted automatically, eliminating any burden on the patient. Smart phones only further increase patient compliance by being easy to use with no assembling necessary. Data is also

transmitted automatically to allow for real time management of a trial.

From ePRO to iPRO?

However, is the ePRO market now looking to go “iPRO”? The iPad could be the ideal device for real time clinical trial management. Not only can the iPad submit data automatically, it is an ideal device for patient compliance. The iPad has the look and feel of using paper which could be comfortable, yet convenient, for patients. Additionally, the iPad offers “apps” which can download medical studies and clinical trial information that may be useful to the current trial. iPads with 3G capabilities can allow clinical trial leaders to also interact with patients in real time – reminding them of scheduled visits or monitoring medication intake.

ARITHMOS and ePRO Solutions

CROS NT and ARITHMOS gave away an iPad during the DIA EuroMeeting in Geneva in March. The iPad lottery was a way to demonstrate ARITHMOS' commitment to ePRO technology on the iPad because of the following benefits:



- **The “WOW” Factor** – The iPad is easy to use and intuitive, with many features that entice patient recruitment and compliance
- **Accessing Study Resources** through “apps” with searchable databases worldwide
- **Compatible with Oracle RDC**

ARITHMOS is already experienced in providing ePRO solutions, from spirometric devices to eDiaries. In addition to these devices, ARITHMOS offers the following services:

- Data Security and Disaster Recovery Plans
- Integration of ePRO with Oracle RDC at low cost and easy-to-use interface
- Helpdesk Integration 24/7/365 to manage ePRO and solve technical implications.

To learn more about ePRO solutions, visit the ARITHMOS website: www.arithmos.it.



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ARITHMOS Presents its eLearning Platform

LSJ

LIFE SCIENCES LEARNING

ARITHMOS eLearning system offers an online training service to clinical trial professionals. Our system enables users to learn and improve an application's usage via Web through different training programs that correspond to their role.

LSL (Life Science Learning) eLearning is an interactive training system capable of adapting to any educational training needs. The training system is completely web-based, and users can access the application using their own browser with personal credentials. Practice and quiz sessions allow users to verify their learning progress.

The objective is to improve EDC and CTMS systems security management through eLearning solutions. ARITHMOS has seen a direct connection between the single sign-on function and users accessibility restriction to the life science systems. System access is achieved only after completing the training tests, enabling the improvement of the overall quality of knowledge and ensuring the highest level of regulatory compliance.



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ARITHMOS Signs FUDA Agreement With Oracle

As an Oracle Business Partner, ARITHMOS has signed a Full User Distribution Agreement. ARITHMOS has full rights to develop custom applications with Oracle software and hardware. The FUDA agreement has also made ARITHMOS part of the Oracle PartnerNetwork including access to Oracle technology products such as Software as a Service, all Oracle applications, storage and server products and industry solutions. ARITHMOS already has long-term experience in Oracle RDC Studies and the Hosting of Oracle Applications.

"ARITHMOS hopes to enhance the value of its brand through a partnership with Oracle BPO that will offer a reliable service to clients to increase business efficiency and reduce costs. ARITHMOS wants significant, quantifiable and visible results for its clients through this partnership," says ARITHMOS COO, **Stefano Piccoli**.

ORACLE
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EVENTS



The 28-30th of March, ARITHMOS participated in the DIA EuroMeeting in Geneva, Switzerland as part of the Oracle PartnerNetwork booth. Representing ARITHMOS was COO, **Stefano Piccoli** and IT Manager, **Gianluigi Albertini** who provided demos of many ARITHMOS products, including eLearning, Eneide (Project Portfolio Management System) and Helpdesk Management System.

On 5 May, ARITHMOS will sponsor German ePharma Day in Munich, Germany. The theme of the event is "Optimizing Value and Quality in Clinical Data with Standards and Data Integration". Again, Stefano Piccoli will be present along with ARITHMOS

Head of Unit for Health Science Services, **Silvia Gabanti**.

ARITHMOS Presents: Chief Operating Officer STEFANO PICCOLI

Stefano joined ARITHMOS on 1 March 2011 as its Chief Operating Officer. Stefano has over a decade of experience in Computer System Validation in GMP and GCP, most notably at GlaxoSmithKline's Italian sites working on the implementation of ERP systems. During his time at GSK, Stefano worked as an IT QA Manager and a QA Risk Manager, managing numerous local and international projects. In 2007 he was sent to inspect the GAMP 5 on behalf of GSK. Stefano has also served as a support specialist for principal regulatory bodies (FDA, JAPAN, AIFA). In recent years, Stefano has furthered his expertise in validation of clinical applications, serving as a CSV Manager at Medidata. Stefano holds a degree in Electronic Engineering from the University of Padova in Italy.



For more information, visit our website at www.arithmos.it or send us an email at info@arithmos.it.