

Australian CRO Avance Clinical elaborates on future of Decentralized Clinical Trials (DCTs)

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Invited to Present "Decentralized Trials - No Going Back" for Oracle Health Sciences Connect



The leading Australian CRO for biotechs and Frost & Sullivan Asia-Pacific CRO Market Leadership Award winner Avance Clinical has been invited to present on the future of decentralized clinical trials at the [Oracle Health Sciences Connect conference](#) on April 23, 2021 in Australia.

Avance Clinical CEO Yvonne Lungershausen, shared the company's insights on the future of Decentralized Clinical Trials (DCTs) and the technology and patient factors that will determine success. Avance Clinical uses the full range of eClinical technologies to support clients wanting DCTs or a site-based approach while still leveraging advance technology including ePro, eSource and eConsent.

"DCTs are fast becoming the new norm and this is an incredible opportunity for the drug development sector as well as the diverse and remote patient populations that will now have access to clinical trials. The pandemic has been the catalyst in speeding up the adoption of decentralized clinical trial methods, as people stopped participating in trials and visiting clinics. Trials have stalled putting lives and significant investments at risk," said Lungershausen.

Yvonne Lungershausen said there are considerable **benefits** to DCT's including:

- Reduce the scheduling and travel burden on patients - providing care from the comfort of the patient's home.
- Connecting patients to trials on a global scale - patients that were otherwise inaccessible under more traditional trial protocols are now available.

Challenges include: Missed human-to-human contact and continuity of patient care; Investigational product distribution to more remote destinations; Oversight of compliance and study procedures in the patient's home

The presentation also covers advances in artificial intelligence (AI), machine learning, cloud computing and blood self-collection **devices which are all revolutionizing** the decentralized clinical trial process.

- Wearable devices are demonstrating enormous potential whether worn as a wrist strap or an adhesive patch on the body. AI-embedded capabilities allow these devices to measure a patient's heart rate or metabolism remotely. Linked to the cloud through secure networks, clinicians can receive and analyse the data real-time.
- Video calling and electronic reminders, can improve patient compliance in trials - prompting participants to take their

medication at the right time or to record in their electronic diary development.

- Technologies are developing to allow patient-centric sampling (self-collection of specimens) with devices that require the use of a lancet and finger prick whereas others do not, making clinical trials even more convenient.