

# Oracle Clinical Advanced and Complex Procedures for Version 5.1

## Venue

RELICO Neuss office, 20 min from Düsseldorf airport.

## **Booking**

Request availability by e-mail, if place available we will send you a booking template, then book course by fax or mail.

# **Cancellation policy**

By fax or in written, two weeks before workshop free of charge, two week - one week before workshop 50% of fee or exchange against place on next course, less than one week before workshop full fee or possibility to send replacement without additional costs.

# **Prerequisites**

Knowledge on how to write simple validation and derivation procedures.

## **Duration**

2 day course.

## **Class times**

28-29 November 2017, Tuesday from 10:00-18:00 and Wednesday from 9:00-17:00

#### **Price**

Euro 1400, incl. workshop material, excl. VAT, billing and payment before the course, accommodation and travelling not included.

## **Instruction Method**

Instructor-led workshop including hands-on exercises.



#### **Versions**

Workshop material for OC 5.1 will be used, an OC 5.1 workshop database will be used. OC is developed in an evolutionary way, thus all functionality of previous releases is included in OC 5.1.

## Description

OC 5.1 Advanced and Complex Procedures Workshop: Understand the internals of Oracle Clinical validation and derivation procedures to write better edit checks. Check for missing items and DCMs with placeholders. Cross DCM edit checks. Write procedures with versatile aggregation, e. g., discrepancy if sum of repeats 1-10 not equal to repeat 11. Learn how to write within two hours a validation procedure that checks whether DCMs are missing or not in order. Learn how to include your own standard procedures and functions.

#### **Audience**

Clinical Programmers, Senior Data Managers, Technical and Support professionals

### **Course Topics**

- Recap of Simple Procedures
- Using Procedure Versions to Update Edit Checks in Production
- Advanced Procedures Overview
- Cursors: How procedures retrieve records
- Structure of PL/SQL Programs
- User Variables (Pre Detail Code)
- Lag Values
- Versatile Surgical Lag Values (Post Detail Code)
- Placeholders to detect missing items
- Correlation
- Cross Visit Checks
- Study-wide Oracle Clinical Aggregation
- Versatile Surgical Aggregation (Post QG, Post Detail Code)
- Access Out-of DCM Information to Check whether CRFs are Missing and in Schedule (Begin Code)
- How to include Packaged Procedures and Functions into Oracle Clinical Procedures
- Performance Considerations

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