

# **DREXLO: A NOVEL ON-LINE TECHNIQUE FOR THE LEARNING AND ASSESSMENT OF CLINICAL SKILLS**

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## **Summary and focus:**

This presentation will show a novel video-based program that puts the learner in an active position, and allows him/her to easily verify if the message in the video has been understood. Those teaching procedural skills or methods could benefit from this presentation.

## **Abstract:**

Using video to convey knowledge as well as elicit information has been my goal. However, I lacked a way for the student to find out if the content was understood and the message was received. This is a demonstration of a way to have self-assessment included in instructional videos, at least in those that are aimed on conveying procedural skills.

DREXLO is a non-linear video-based media format for the teaching and assessment of procedural medical skills. DREXLO has three modes, which actively engage the learner and which allow for assessment of the learner's behavior and skills. The modes are:

1. OBSERVE: Playing back video clips in a predetermined sequence.
2. NAME: Playing back random video clips out of the sequence and asking the learners to give their observations descriptive titles.
3. DO: Asking the learners to actively build the sequence themselves, which works as follows: A descriptive title for the clip is entered in the system. The input is then analyzed and the user is provided with options. The selection of an option plays the corresponding video sequence – and the spot of this specific clip within the sequence is displayed.

See <http://webcampus.drexelmed.edu/demo/DREXLO/> for functional DREXLO-prototypes.

We have applied for a Stemmler grant to conduct research on the efficacy of DREXLO for the learning of procedural skills. At the time of the demonstration we should know if they have funded our research project.

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