I11   Nonverbal Reaction: Four-Phase Investigation Analysis Protocol

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After attending this presentation, attendees will be able to study and identify every possible communicative variable, and verify the coherence of the verbal and nonverbal behavior sequence combinations (COMBO).

This presentation will impact the forensic science community by measuring objective and quantitative parameters during the forensic interview and police interrogation.

The protocol is divided into four different phases and follows rigid rules in the environmental construction of the setting, predisposed with sophisticated instrumentations of audio, video and of biophysiological measurement.

PHASE 1 – This is the phase of harvest dates inherent to the subject (medical anamnesis and structured and semi-structured checklists and includes: social position and personal beliefs, psychological evaluation, self-report list of elements that usually cause anger, disgust, contempt, sadness, surprise, happiness, fear); toxicological analysis and baseline measurement concerning usual nonverbal behaviors modality (use of manipulator's and illustrator's gestures, relax postures, involuntary nervous twitch, etc.) and subject's vocal tone. Video and audio: subject in interaction with an observer.

PHASE 2 – Neurophysiologic baseline measurement, subject verbal stimulation, and recording of potentials correlated with emotional-physiological activations to questions using the 40BSIQ (40 Brain Storm Investigation Questionnaire).

PHASE 3 – Distraction of the subject with intellectual secondary activity.

PHASE 4 – Analysis of the answers and of reactions of the subject submitted to questioning. This phase is the central point of the protocol. The subject is analyzed by four different observers. Everything will be audio- and video-recorded (four cameras, two microphones), and the observers are themselves observed by audio and video.

Nonverbal Analysis, Research Protocol, Observation Setting