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An international chorionic villus sampling training program in ongoing-pregnancies with demonstrable outcomes: a survey study



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Background

- Chorionic villus sampling (CVS) remains the sole method for first-trimester prenatal diagnosis.
- Most physicians are unable to provide this service because of a lack of training.

Objective: To identify the impact of a well-established international training program in invasive diagnosis on provider confidence and practice pattern among those trained through the hands-on program.

Study Design

- 20-question online survey was sent to all MDs who had completed training at the host institution.
- Included questions about the trainees educational and procedural experiences, estimates of the number, type of procedures performed, and self-evaluation of competence.
- Descriptive statistics were performed and the Student ttest was used as indicated. Multiple logistic regression was used to adjust for covariates.

Results

- 72 surveys sent, 47 (65.3%) were returned. 63.8% of respondents were female. All trainees were OBs/MFMs except one radiologist who had completed an average of 8.7 (SD: 21.8) CVS and 115.8 (SD: 222.8) amniocentesis before the training program.
- Rotators were 25 (51%) were faculty and 22 (47%) were residents/fellows.
- The mean length of rotation was 2.7 weeks. Attendees came from 13 countries with 11(23.4%) from the U.S.
- Comfort with CVS (p<0.001) and amniocentesis (p<0.001) improved significantly after the training
- 34.7% are currently teaching CVS following training.
- There was no association with pre- vs post-training comfort in CVS or amniocentesis following training, when adjusted for age, gender, or experience (p>0.05).

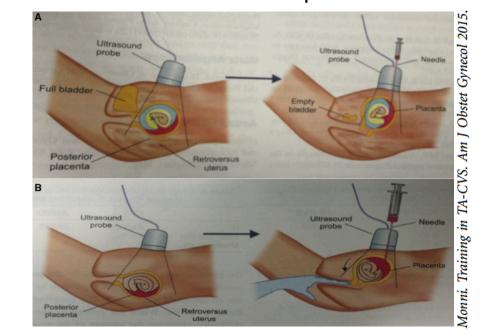
Conclusion: As comprehensive training in invasive fetal procedures dwindles, a program able to improve confidence and skill in these procedures is critical. The critical components of training remain challenging.

We have established a successful international training program in transabdominal chorionic villus sampling in ongoing pregnancies.

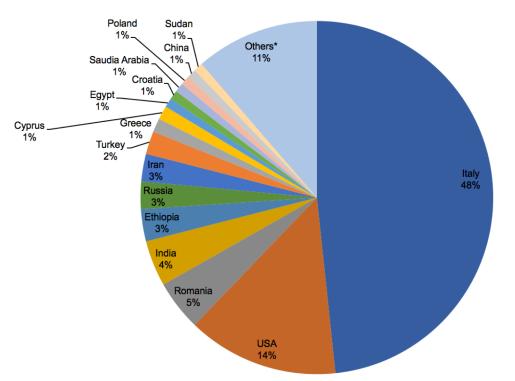


Questions?
Take a picture of this QR code to access the poster or email Dr. Giovanni Monni at prenatalgmonni@gmail.com

TA-CVS Technique

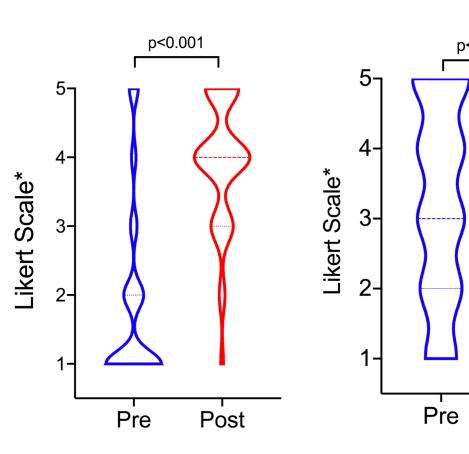


Country of Origin of Trainees Rotating in International TA-CVS Program



*Others: n=1 from Argentina, Azerbaijan, Bosnia, Czech Republic, Canada, Georgia, Japan France, Germany, Kossovo, Lebanon, Mongolio, Morocco, Nigeria, Netherlands, Pakistan, Portugal, Qatar, Slovenia, Spain, Sudan, Emirates, Venezuela

Comfort with CVS Comfort with Amniocentesis



*1=not comfortable, 5=very comfortable

*1=not comfortable, 5=very comfortable

Post