AVNeo
Aortic Valve Neo-Cuspidization

AVNeo® Newsletter

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Are you interested in training for the AVNeo® procedure?

Training is fundamental for the AVNeo procedure. JOMDD is supported by a network of ten (10) proctors worldwide who are responsible for supporting cardiac surgeons through their learning journey.

Module I begins with didactic lectures where surgeons learn the benefits, outcomes, and ideal patient populations for the AVNeo procedure to the advanced techniques of transforming a bicuspid valve into a tricuspid valve.

Module II shifts to hands-on Dry Lab training by reconstructing a new aortic valve into a silicone model. This module offers the opportunity to learn proper measuring and sizing techniques and the standardized approach to suturing the new leaflets into the native annulus.

Module III includes in operating room experience to see your Course Director reconstruct the aortic valve using the entire AVNeo procedure.

Module IV is an opportunity for a certified AVNeo Proctor to visit your facility and support your first AVNeo cases.

We look forward to supporting all your training needs!

Upcoming 2022 2-Day AVNeo Training Courses
Training Dates – Location - Course Director

August 3 & 4 – Pittsburgh, PA, USA – Dr. Chu
August 16 & 17 – New Haven, CT, USA – Dr. Krane
September 20 & 21 – Pittsburgh, PA, USA – Dr. Chu
October TBD- New Haven, CT, USA – Dr. Krane
October TBD – Italy – Dr. Albertini

Contact avneo_admin@jomdd.com to reserve your spot

Missed the JOCS Live Talk? Don't worry!

Last month the Journal of Cardiac Surgery selected Yale's newest manuscript *Aortic valve neocuspidization: Frequently asked technical questions* to be discussed in their weekend educational session.

Missed it? Don't worry – you can still watch the replay via the link below!
https://youtu.be/rjdHGwLosps

What's New in Research – 2022 AATS Recap

We enjoyed seeing everyone in Boston at AATS this year!

Dr. Anatol Prizing, German Heart Center – Munich, presented ***Mid-term Results after Aortic Valve Neocuspidization*** during the Adult Cardiac Poster presentations. Their results included 162 patients with a mean age of 52.6 years. They found peak and mean pressure gradients at discharge were 15.5mmHg/8.4mmHg and remained stable after four years. The 30-day mortality rate was 0.6%, with overall survival rates of 98.8%, 97.8%, and 97.8% at 1-year, 2-year, and 4-years. The overall mean freedom from reoperation was 93.2%, with overall freedom from reoperation of 96.9%, 96.1%, and 90.6% at 1-year, 2-year, and 4 years.

During the Cardiac Surgery Video Masterclass: Aortic session, Dr. Shinya Unai from Cleveland Clinic, presented ***The Ozaki Procedure*** featuring a case report on a 57 y/o male without significant PMH after presenting with heart failure symptoms and AI with a bicuspid valve. Dr. Unai performed the procedure utilizing three size 35mm leaflets. Cross clamp time was 127 minutes. The postop TEE showed trace AI with peak/mean gradients at 8/5 mmHg. The patient was discharged home after a 5-day uneventful hospital stay. Dr. Unai reported that Cleveland had performed the procedure on 47 adult patients with a mean age of 51 between 2016 and 2/2021 (30 cases since the beginning of 2021 = ~ 80 patients). They have had no major complications post-op with the mean gradient of 7mmHg predischarge without an increase in gradient during follow-up.

Dr. Lynn Sleeper, Scientific Director of Cardiology Clinical Research Program at Boston Children's Hospital, provided an update on the ***AVNeo/BCH Registry*** during the AVNeo User Group Meeting. There are currently>400 (195 peds; 222 adults) patients in the database, with 12 global sites and four additional sites ready to enroll. Registry participants receive registry enrollment and benchmarking reports and opportunities for collaboration on multicenter result manuscripts.

For more information about joining the registry, please complete this AVNeo Registry Inquiry form.