Dr. Alfieri and Dr. Bolling receive royalty payments from Edwards Lifesciences for the GeoForm ring. In addition, Dr. Bolling is a paid consultant to Edwards Lifesciences.

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References:

Edwards GeoForm Annuloplasty Ring

Durable construction and ease of use
- Titanium alloy base covered by silicone rubber and polyester velour cloth
- Rigid remodeling ring
- Circumferential ring design better supports anterior and posterior dilatation than partial rings
- Construction maintains support in high-pressure environments

Model Description: Model Number
GeoForm annuloplasty ring: 4200
Handle: 1150
Mitral sizers: 1174
Handle for sizers (reusable): 1111
Handle for sizers (single use): 1126

*A 41% AP decrease when compared with same size Carpentier-Edwards Physio annuloplasty ring.

Remodel the mitral annulus
The GeoForm ring is geometrically designed to restore leaflet coaptation and reduce mitral regurgitation (MR) caused by the enlargement of the left ventricle.

“Reducing the septolateral or anteroposterior (AP) distance with the GeoForm ring restores leaflet coaptation without compromising the orifice area.”
— Ottavio R. Alfieri, MD, PhD
Milan, Italy
Co-designer of GeoForm Ring

Elevated P2 (6 mm lift) — raises the mitral valve apparatus to counteract the downward pull of the enlarged left ventricle

Reduced anteroposterior (AP) distance (41% reduction)* — brings the annulus inward to counteract the outward pull of the enlarged left ventricle

Healthy left ventricle
Before:
Patient presented with significant MR due to ventricular dysfunction

Edwards GeoForm Ring
Design geometrically
for the reduction of MR and improvement of ventricular function
Remodel the mitral annulus

The GeoForm ring is geometrically designed to restore leaflet coaptation and reduce mitral regurgitation (MR) caused by the enlargement of the left ventricle.

- **Reduced anteroposterior (AP) distance** (41% reduction)* — brings the annulus inward to counteract the outward pull of the enlarged left ventricle

**Elevated P2 (6 mm lift)** — raises the mitral valve apparatus to counteract the downward pull of the enlarged left ventricle

Immediate and early results at 3 months show favorable results of cardiomyopathy patients implanted with the GeoForm ring.¹

- Decreased left ventricular (LV) volumes
- Reduced mitral regurgitation (MR)
- Increased ejection fraction (EF)
- Reduced sphericity
- Significantly lowered tenting height

“Reducing the septolateral or anteroposterior diameter with the GeoForm ring restores leaflet coaptation without compromising the orifice area.”

— Ottavio R. Alfieri, MD, PhD
Milan, Italy
Co-designer of GeoForm Ring

Reform the left ventricle

Remodeling the mitral annulus with the GeoForm ring reforms the shape and function of the left ventricle, aiming to halt the cycle of ventricular enlargement.

**Elevated P2 (6 mm lift)** — raises the mitral valve apparatus to counteract the downward pull of the enlarged left ventricle

**Before:** Patient presented with significant MR due to ventricular dysfunction

**After:** MR was reduced significantly

“Early results demonstrate the GeoForm ring reduces MR and reforms the LV geometry.”

— Steven F. Bolling, MD
Ann Arbor, MI
Co-designer of GeoForm Ring
Edwards GeoForm Annuloplasty Ring

**Model Description**
- **Model Number**
  - GeoForm annuloplasty ring 4200
  - Handle 1150
  - Mitral sizers 1174
  - Handle for sizers (reusable) 1111
  - Handle for sizers (single use) 1126

**Durable construction and ease of use**
- Titanium alloy base covered by silicone rubber and polyester velour cloth
- Rigid remodeling ring
- Circumferential ring design better supports anterior and posterior dilatation than partial rings
- Construction maintains support in high pressure environments

**2-4 A 41% AP decrease when compared with same size Carpentier-Edwards Physio annuloplasty ring.**

**Immediate and early results at 3 months show favorable results of cardiology patients implanted with the GeoForm ring.**
- Decreased left ventricular (LV) volumes
- Reduced mitral regurgitation (MR)
- Increased ejection fraction (EF)
- Reduced sphericity
- Significantly lowered tenting height

**Elevated P2 (6 mm lift)**
- Raises the mitral valve apparatus to counteract the downward pull of the enlarged left ventricle

**Reduced anteroposterior (AP) distance**
- Brings the annulus inward to counteract the outward pull of the enlarged left ventricle

**GEOMETRIC**

**Remodel the mitral annulus**

- The GeoForm ring is geometrically designed to reduce leaflet coaptation and reduce mitral regurgitation (MR) caused by the enlargement of the left ventricle.

**Immediate and early results at 3 months show favorable results of cardiology patients implanted with the GeoForm ring.**

**Elevated P2 (6 mm lift)**
- Raises the mitral valve apparatus to counteract the downward pull of the enlarged left ventricle

**Reduced anteroposterior (AP) distance**
- Brings the annulus inward to counteract the outward pull of the enlarged left ventricle

**REFORMATION**

**Remodel the left ventricle**

- Reforming the mitral annulus with the GeoForm ring reforms the shape and function of the left ventricle, aiming to halt the cycle of ventricular enlargement.

**Immediate and early results at 3 months show favorable results of cardiology patients implanted with the GeoForm ring.**

**Elevated P2 (6 mm lift)**
- Raises the mitral valve apparatus to counteract the downward pull of the enlarged left ventricle

**Reduced anteroposterior (AP) distance**
- Brings the annulus inward to counteract the outward pull of the enlarged left ventricle