

# History in Nephrology

*Legends whose contributions inspire us even today!*

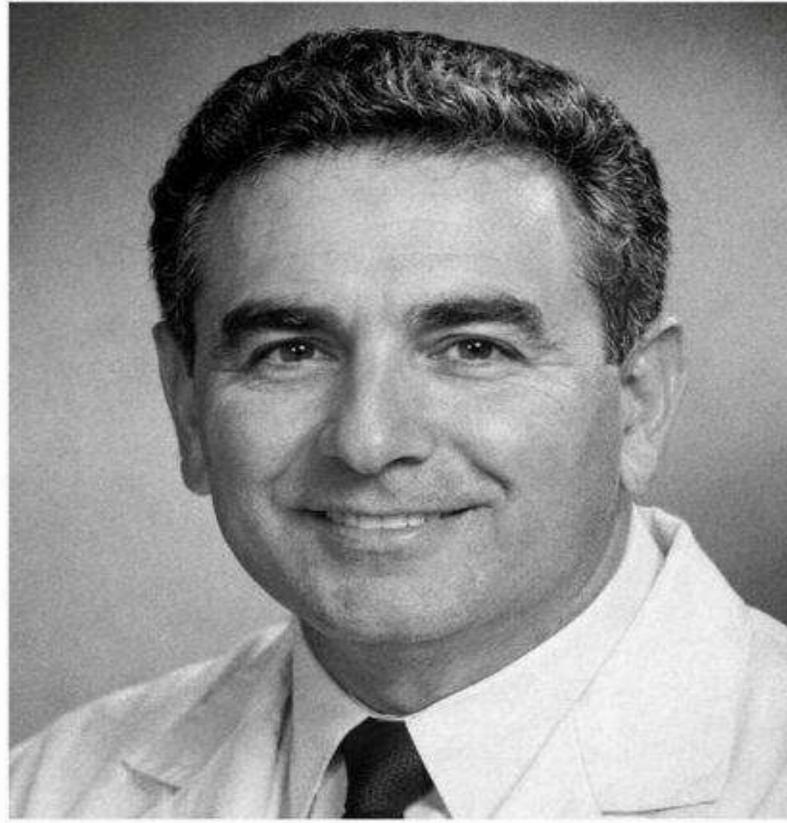
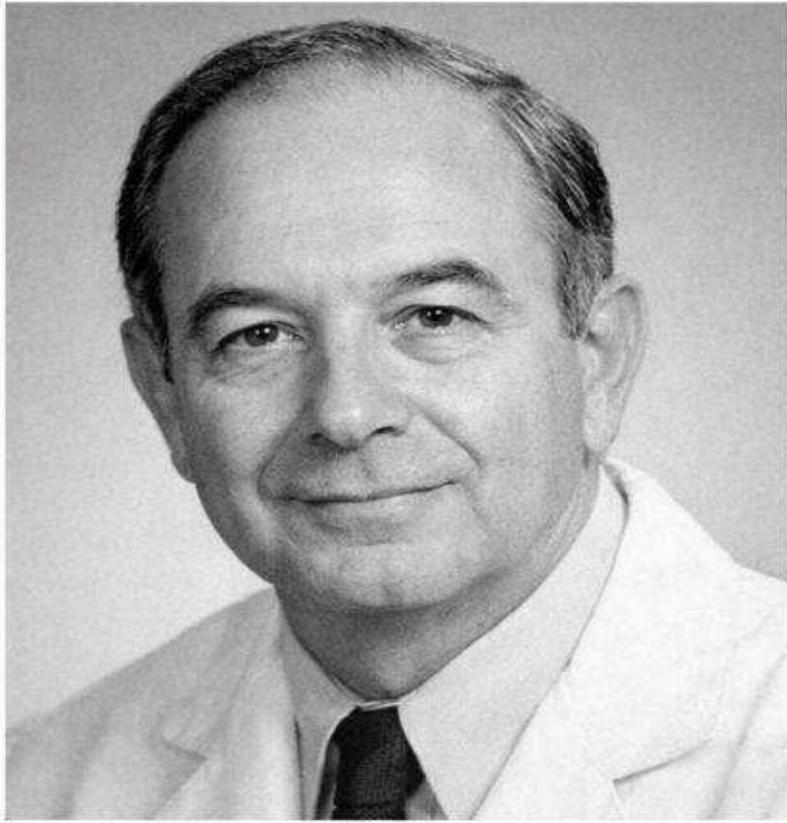
*Arterio Venous Fistula (AVF)*

**Arteriovenous fistula (AVF) for hemodialysis was introduced and popularized by:**

 **Dr. James E. Cimino and Dr. Michael J. Brescia**

- **Year: 1966**
- **Also associated with: Dr. Kenneth Appell**
- **Publication: *New England Journal of Medicine***

This is why the native AVF is classically called the **Brescia–Cimino fistula**.



***Pioneers of the AVF for Hemodialysis***

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***Dr. James E. Cimino & Dr. Michael J. Brescia***

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*Described the AV Fistula in 1966*

# **Dr. Cimino made a crucial bedside observation:**

**Patients who had repeated venipunctures or  
accidental arteriovenous communications developed  
veins that became thick, dilated, and easy to cannulate**

**Dr. Cimino along with Dr. Michael J. Brescia and surgeon Dr. Kenneth Appell**

**Deliberately created subcutaneous arteriovenous anastomosis at the wrist (radial artery – cephalic vein)**