

DIALYSIS ACCESS WAS BUILT BY MANY SPECIALTIES

A LEGACY OF INNOVATION. A FUTURE OF COLLABORATION.



NEPHROLOGISTS



RADIOLOGISTS /
INTERVENTIONAL RADIOLOGISTS



SURGEONS



ENGINEERS

1953



Sven-Ivar Seldinger
RADIOLOGIST

Developed the Seldinger technique – a needle – guidewire – catheter method, foundation of modern percutaneous vascular access.



1960



Belding Scribner
NEPHROLOGIST



Wayne Quinton
ENGINEER

With Wayne Quinton, developed the Scribner-Quinton shunt, making chronic vascular access and chronic hemodialysis possible.



1960s



Stanley Shaldon
NEPHROLOGIST

Pioneered the use of percutaneous vascular catheters, tailoring for hemodialysis, applying Seldinger principles to dialysis access.

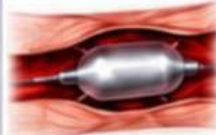


1964



Charles Dotter
RADIOLOGIST

Pioneered percutaneous transluminal angioplasty, laying the foundation for modern endovascular treatment of dialysis access stenosis.



1966



Michael Brescia & James Cimino
NEPHROLOGISTS

Kenneth Appell
SURGEON

Introduced the native AV fistula, which remains the cornerstone of long-term hemodialysis access.



Late 1960s



Fred Tenckhoff
NEPHROLOGIST

Developed the Tenckhoff peritoneal dialysis catheter – incorporating Dacron cuffs for tissue ingrowth and catheter stabilization.



1970s



Andreas Grüntzig
RADIOLOGIST /
CARDIOLOGIST

Developed balloon angioplasty, technology that became essential for salvaging stenotic AV fistulas and grafts.



1970s–1980s



Giuseppe Tesio
NEPHROLOGIST

Developed the Tesio twin catheter system, an important advancement in long-term tunneled hemodialysis access.



1990s



Gerald Beathard
NEPHROLOGIST /
INTERVENTIONAL
NEPHROLOGIST

Pioneer in establishing interventional nephrology and bringing angioplasty, thrombectomy and catheter procedures into nephrology-led dialysis access care.



1990s–2000s



Scott Trerotola **Ziv Haskal** **Bart Dolmatch**
INTERVENTIONAL RADIOLOGISTS

Major contributors to modern endovascular dialysis access – angioplasty, thrombectomy, stent-grafts, catheter interventions, and percutaneous AVF technology.



2000s–Present



William Jennings
VASCULAR /
ACCESS SURGEON

A major contributor to modern surgical AV access creation, revision, and management of complex dialysis access.



“Dialysis access was never advanced by one specialty alone. It evolved because nephrologists, radiologists, vascular surgeons, and engineers worked together to solve the same problem: providing our patients with reliable, durable access.”



Different Minds.
One Mission.



Stronger Together.
One Cause.



Better Access.
Better Lives.

Forwarded by



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