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Presidente fundador y del comité que representa en neurocirugía la Sociedad Americana para Pruebas y Materiales (ASTM) para consensuar los implantes del sistema nervioso.

Es diseñador e inventor del [clip](#) de aneurisma McFadden, el reposacabeza tridimensional, y la abrazadera.

Es presidente emérito y profesor de Neurocirugía, Escuela de Medicina de Virginia Oriental, y ex miembro del grupo consultivo sobre los dispositivos de neurología y neurocirugía y medicamentos a la FDA.

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