

Spinal arteriovenous malformations

- Can be classified in a number of ways:
- intramedullary
- extramedullary: 80%
- Or into four types:
- **Type I:** single coiled vessel (dural AV fistula)
- **Type II:** intramedullary glomus AVM
- **Type III:** juvenile
- **Type IV:** intradural perimedullary (AV fistula)
 - **sub type I:** single arterial supply (ASA), single small fistula, slow ascending perimedullary venous drainage
 - **sub type II:** multiple arterial supply (ASA and PSA), multiple medium fistulae, slow ascending perimedullary venous drainage
 - **sub type III:** multiple arterial supply (ASA and PSA), single giant fistula, large ectatic venous drainage

Types

- Type 1:
 - Flow voids on cord surface with cord T2 hyperintensity
- Type 2:
 - Intramedullary nidus (may extend to dorsal subpial surface)
- Type 3:
 - Nidus may have extramedullary and extraspinal extensions
- Type 4:
 - Ventral fistula on cord surface (venous varices displace or distort cord)