ROUTES OF DRUG DELIVERY
INTRA-OCULAR IMPLANTS

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Anti VEGF Therapy: Agents

- **Pegaptanib**
  - Binds specifically only one VEGF-A isoform

- **Bevacizumab**
  - Binds all VEGF-A isoforms

- **Ranibizumab**
  - Binds all VEGF-A isoforms with a higher affinity than bevacizumab
  - Also binds VEGF-B and PIGF

- **Aflibercept**
  - Binds VEGF-A with higher affinity than bevacizumab and ranibizumab
  - Also binds VEGF-B and PIGF

**Figure 1.** Retisert implant.

**Figure 2.** Iluvien implant shown on a human finger to indicate size.

**Figure 5.** I-vation sustained drug delivery system.

**Figure 6.** Front view of Vitrasset on the left and the schematic on the right.