

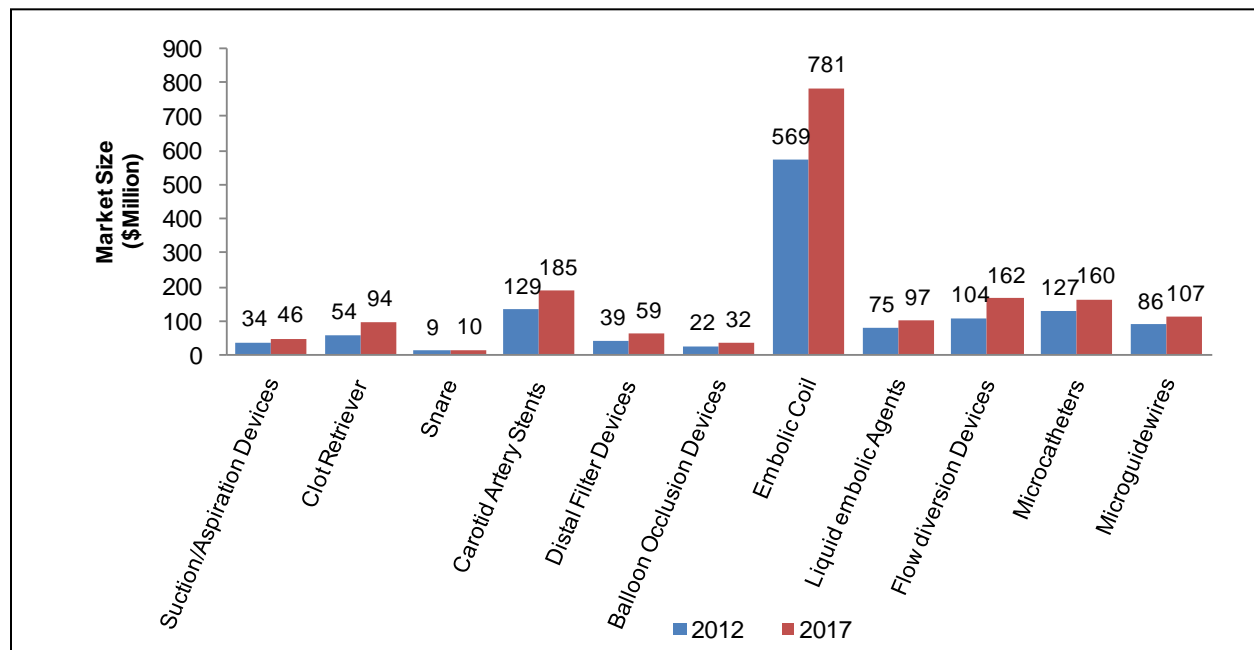
2 EXECUTIVE SUMMARY

Neurointerventional procedures refer to special kind of endovascular procedure within the vessels of the brain or within the spinal cavity, utilizing minimally invasive techniques, imaging guidance, and special microcatheters (thin tubes), guide wires, and small instruments to treat stroke and other neurological disorders. Neurointerventional procedures can be performed through different techniques such as neurothrombectomy procedure, cerebral angiography and stenting technique, and coiling procedure. These techniques are almost mutually exclusive and applied for definite clinical symptoms of neurological disorders.

As compared to conventional treatment procedures including tissue Plasminogen Activator (tPA) medication, clipping technique for the treatment of aneurysm, and carotid revascularization endarterectomy for embolization of plaque-laden vessels, neurointerventional techniques are novel and technologically advanced in clinical approach. Upcoming clinical studies and positive trial data are raising confidence in neurosurgeons to use neurointerventional techniques for the treatment of neurovascular disorders. Since the last decades, coiling procedure in aneurysm treatment has gained enormous popularity for its better clinical efficacy over clipping procedure worldwide. In earlier days, bare and coated platinum coils are more preferred to fill the sac of aneurysm, but with the advent of new technologies flow diversion device gets popularity for its low-cost treatment offering and providing better efficacy.

FIGURE 1

GLOBAL NEUROINTERVENTIONAL DEVICES MARKET REVENUE,
2012 & 2017



Source: Annual Reports, SEC Filings, Expert Interviews, MnM Analysis