

## **Development of Affordable Medical Devices**

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India is an immensely diverse country with many distinct food habits and life styles depending on local climatic conditions. Its billion plus people have divergent genetic makeup. Basic health care remains out of reach for most of its vast rural population. The requirement for medical devices in India is rapidly growing for its rural and ageing population. Changing pattern of diseases, its growing middle class who can afford decent medical treatment and medical tourism also require large quantity of various types of medical devices.

Almost all medical devices are imported. At present, we are manufacturing majority of the base materials used for these devices but, we are not producing any of these medical devices. One of the major lacunas is the trained manpower in this sector. USA and other European countries have well developed academic program in this area. This program requires people from several disciplines to work together. With this back ground we have made an attempt to develop medical devices in the country forming an interdisciplinary group.

This presentation describes process of development of indigenous medical devices and also gives glimpses of several medical devices which have been developed. under the India Biodesign programme at Indian Institute of Technology, Delhi and All India Institute of Medical Sciences, New Delhi in collaboration with Stanford University, USA.