



## Newer Horizons in Orthopedic Surgery

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The field of Orthopaedics is progressing and evolving very fast, faster than Jet Speed. With newer designs in Joint replacement Surgery, more and more anatomical Implants whether intramedullary or surface Implants along with bio engineers are evolving in leaps and bounds. Newer technologies, Minimally Invasive Surgeries are being accepted. No more the dictum "Big surgeons take big incisions" holds true. Key-hole surgeries are the key thing to learn and to adopt and execute.

The era has come where Infections in primary elective surgeries are almost eliminated. But sometimes less experience, eagerness to accept newer implants and prosthesis without proper trials, knowledge, experience and implementations of principles of surgery lacking can be a big challenge for surgeons doing revision surgeries.

Before embarking on newer methods, modalities of treatment, rationally evaluating pros and cons of surgeries should be the crux of surgery. If this fails, then what? How do I make sure that this succeeds? How do I make it as a full proof treatment? These are the questions which should be answered before performing any surgery. If you fail to plan the surgery before executing it, you are planning to fail is a reality which is learnt after committing mistakes. So, a planning with templet or after having CT, 3D CT and/or MRI before doing planning and planning on 3 D reconstructed model becomes essential.

The Robotic surgery will also fail if data is not fed properly. Trauma and orthopaedics have seen many changes over the past decades. The next decades promise even greater advances, particularly in the areas of materials science, computer aided manufacturing technology, and molecular biology. In addition to technical

advances there have been changes in the provision of care, such as the greater subspecialisation of surgeons and improvements in the organisation of trauma, reconstructive and oncology services. Perhaps the most important change is the increase in evidence-based practice which uses studies of patients' outcomes. Hence exchange of views case studies are the foundation stones for evolution which will be revolution in Orthopaedics.

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