

## Hand Joint Replacements in Traumatic and Arthritic cases

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### Abstract

Rheumatoid disease affects almost all of the musculoskeletal system. In the case of the upper extremity we should be aware of the extension and degree of tissue involvement, the intensity of the synovitis affecting the joints, the deformity, the associated tendon dislocation or ruptures and we should assess the range of active and passive joint mobility. All those parameters influence in choosing the type of joint replacement we should use and the necessity in dealing with the soft tissue involvement associated with this disease.

On the other hand the post-traumatic arthritis arising after a trauma which involved a joint, behave in a different way, most of the time we only have to deal with one single joint, soft tissue is minimally involved and tends to produce rigidity more than instability, the problem is not progressive and that is why the type of joint replacements developed to deal with this situation is completely different.

The implants for small joint arthroplasty have evolved from more than 50 years since the research of Swanson, improving even the sylvatic implants, with less complications and better and more natural range of motion. We will discuss the more recent implants, surgical techniques and results.

### Biography

Qualified in Madrid (Universidad Complutense) in 1980. Trained in major University hospitals in Madrid and London. Specialized in Trauma and Orthopaedic Surgery in Spain, followed her main interested in Hand surgery and further her trainee in this specialty in Spain, London and Kentucky. She was the Lead Consultant of the Hand Unit which she developed for 13 years in London (Newham University Hospital), developing her Unit and training a large number of junior doctors, She has published a number of papers in hand pathology and trauma, and has been an invited speaker in numerous local, European and International Congresses, been also co-author of a book edited in Spain, where was invited to write some of the chapters. She is a member of the British Society for the Surgery of the Hand (BSSH), Spanish Society for Surgery of the Hand (SECMA), European Society for Surgery of the Hand (ESSH), British Orthopaedic Association (BOA), Spanish Society of Cosmetic Medicine and Surgery and British Medical Association (BMA). Always involved in teaching. She has been an invited visiting Professor in a number of Courses in Hand Surgery. She was a Faculty member in the 2 year Fellowship training program in Hand Surgery running in Gaza Strip. Examiner for the GMC (PLAB) and for London University. She has also worked for the GMC (General Medical Council) during 5 years as an Assessor for Fitness in Orthopaedics. After 10 years working in Spain and 18 years working in UK, she was invited to work in UAE, where she arrived in 2008 and worked first in Abu Dhabi for 3 years at Sheikh Khalifa Medical City, managed by Cleveland Clinic as the only Hand surgeon, after that moved to the private sector where she has created her Hand Unit in Burjeel Hospital for Advanced Surgery, and recently in King's College Hospital in Dubai. Since her arrival in UAE, she has been running yearly Congresses, created the IAOC (International Advanced Orthopaedic Congress), monographic Courses and Workshops trying to bring the specialty of Hand surgery to UAE, and improve the training of the Orthopaedics and Plastic surgeons in this Country.

14<sup>th</sup> International Conference on Rheumatology and Arthroplasty | London, UK | September 21-22, 2020

**Citation:** Lucia Heras-Garcia, *Hand Joint Replacements in Traumatic and Arthritic cases*, Rheumatology 2020, 14<sup>th</sup> International Conference on Rheumatology and Arthroplasty, London, UK, September 21-22, 2020