



GAVIN CONFERENCES

# International Conference on Surgery and Medicine

July 16-17, 2018 Bangkok, Thailand



**Josie Todd**

*University of Otago, New Zealand*

## **Introducing oncoplastic breast surgery in Christchurch, New Zealand: 9 years of shifting the tide**

Christchurch Hospital, Canterbury District Health Board, is the largest tertiary referral center and teaching hospital in South Island of New Zealand. It serves a population of over 450,000 and covers a wide geographical area with many patients living in both urban and remote locations. Prior to 2009, women in Canterbury were treated only offered mastectomy or Wide Local Excision (WLE) for management of breast cancer. Immediate reconstruction was restricted to women with DCIS and largely avoided following the Unit's own findings in the late 90's with delay in adjuvant therapy.

Establishing Oncoplastic Breast Surgery in Canterbury has involved greater use of Neoadjuvant Chemotherapy in younger patients, therapeutic mammoplasty for larger breasted women, introducing nipple-sparing mastectomy with direct to implant reconstruction via inframammary fold scar, immediate-delayed reconstruction in locally advanced breast cancer to facilitate Adjuvant Radiotherapy in an implant setting, modification of Letterman technique with bi-pedicle/skin-reducing, nipple-sparing mastectomy and implant reconstruction in women desiring smaller breast volume, aggressive surgical management of locally advanced and recurrent cancer with salvage LD flap, establishment of Genetic and High Risk Breast Clinic, routine use of Para-Vertebral Block (PVB) regional anesthesia with mastectomy and use of only PVB with sedation in frail patients to avoid general anesthesia and Li-CAP and Ai-CAP autologous perforator flaps as volume replacement allowing greater excision volumes with breast conservation and use of Li-CAP as complete autologous reconstruction option following mastectomy in women with raised BMI and smokers, where standard reconstruction options would have been contraindicated.

### **Biography**

Josie Todd was the first Oncoplastic Breast Surgeon employed by the Canterbury District Health Board (CDHB), Christchurch New Zealand in 2009. She is a Senior Lecturer for Otago University, Examiner for the Royal College of Surgeons of Edinburgh, Faculty for the Level I and II Oncoplastic Workshop organized by Breast SurgANZ (Royal Australasian College of Surgeons), Advisor for the Health and Disability Commission, Chairs the Steering Committee for Clinical Psychology and Social Support Services for South Island (part of Southern Cancer Network), Department of Surgery liaison for Health Pathways and an Education Supervisor for Medical and Education Training Unit (CDHB).

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## Sandeep Shrivastava

*Datta Meghe Institute of Medical Sciences, India*

### Reconstruction to regeneration: Beginning of a new era in the wound management

Wound is a huge health problem. Loss of vascularity; presence of infection and pre-existing co-morbidity (diabetes etc.) makes it worse. The management is a complex dynamic process including health experts, drugs and dressings. It consumes huge resources worldwide. Sandeep's Technique for Assisted Regeneration of Skin (STARS) therapy have been developed to be a single holistic solution towards this complex wound problem. It is basically a mono-therapy based on autologous Platelet Rich Plasma (PRP). It induces angiogenesis and infection control, further leading to the regeneration of grossly dead/dying tissues and eventually assisting the regeneration of skin. Eventually leading to complete wound healing with minimum of scars. Till date clinical regeneration of grossly dead tissue such as of bone, tendons have never been achieved with such emphasis. Though the possibility has been predicted through Regenerative Medicine products. These possibilities are being converted into clinical realities by the STARS therapy.

The STARS therapy is evolved with the intention of developing a universal solution for wound management which is safe, predictable, accessible and can be performed by any trained health care provider. It obviates the need for surgery, removal of dead/narcotizing tissue, antibiotics, painkillers or intense local dressing.

The emergence of a new modalities based on Regenerative Medicine is predicted to change the managements of health problems. Inclusions of Stem Cells, Mesenchymal Stem Cells or Platelet in treatment protocol for complex problems will probably give current outcomes a flip. The regeneration as a tool for healing is going to be very powerful options and have all potentials to be the mainstay treatment, moving ahead from concept of Surgical Reconstructions and Medicinal Managements.

### Biography

Sandeep Shrivastava is the Director of Centre of Autologous Platelet Biotechnological Interventions, at Datta Meghe Institute of Medical Sciences, Wardha India. He is a Professor of Orthopaedics having done his MS, DNB and Ph.D. He is also Chief Executive Officer, Hospitals and Ex Dean of JNMC. In the field of Regenerative Medicine, he has pioneered the wound management with PRP, by developing the clinical protocol of "Sandeep's Technique" for Assisted Regeneration of Skin (STARS Therapy). His work is widely published and presented across the World. He has 2 books, 63 publications and 75 presentations, including orations, keynote addresses and guest lectures.

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