

## **PROFESSOR STAN SIDHU**

Stan Sidhu is Head of the University of Sydney Endocrine Surgery Unit, Royal North Shore Hospital which performs 1500 cases per annum. He is now responsible for doing the many complex cancer and redo thyroid/parathyroid cases from around NSW and Australia alongside the routine adrenal and parotid surgery.

He has been a clinical and translational researcher for 20years. His research has focused on clinical outcome studies and translational cancer research in thyroid, parathyroid and adrenal tumours.

Clinical studies have focused on neural monitoring of the recurrent and external laryngeal nerves and techniques to preserve temporary and long term function, long term outcome after focused parathyroidectomy without IOPTH and surgical aspects of thyroid cancer surgery. With respect to translational research, he has made significant contributions to the understanding of the oncogenomics of adrenocortical cancer and the use of microRNAs as diagnostic, prognostic and therapeutic targets in adrenocortical cancer, malignant pheochromocytoma and thyroid cancer. Most recently, he has contributed to the emerging field of miRNA regulation of autophagy in medullary thyroid cancer and published a seminal manuscript outlining the use of miRNAs as a therapeutic tool in adrenocortical cancer and the use of combined miRNAs and tyrosine kinase inhibitors in Medullary Thyroid Cancer. He has published 220 articles in peer reviewed journals of which 140 have a clinical focus and 60 a scientific focus including leading cancer journals such as Cancer Cell, Clinical Cancer Research, Cancer and Cancer medicine. His articles have been highly cited and his current H index is 44.

Most recently, he has engaged in a collaboration with a biotechnology firm EngeneIC who hold several patents over a unique cancer cell targeted in vivo nanoparticle delivery system. He acts as a clinical lead in a novel Covid vaccine trial.

He has held prestigious NSW Cancer Institute and Sydney Medical School Foundation Fellowships and he and his students have received 2m AUD of funding for their translational research work in the last 10years. He has been a regular speaker at many scientific meetings and Visiting Professor for the Endocrine Section of the Australian, British, Indian, Taiwanese and Phillipines Endocrine Surgeons and Keynote speaker at the International Association of Endocrine Surgeons and World Congress of Thyroid Cancer.

Professor Sidhu is Past President of Australian Endocrine Surgeons and Chairman of the Section of Endocrine Surgery Royal Aust College of Surgeons. He currently sits on the Editorial Board of the Oncologist, Annals of Surgery and Cancers. He has mentored 30 clinical Fellows in Endocrine Surgery and supervised 16 doctoral students in laboratory research many of whom have progressed to be leaders in clinical surgery and translational cancer research both locally or in the own countries.

His career achievement to date embodies the spirit of a clinically active and academically productive surgeon scientist.