

4. Departmental Activities:

The Department of Experimental Surgery of SCB Medical College Cuttack has been offering comprehensive service in the field of Endocrine Surgery since the year 1998. In consideration of the quality and volume of service offered by this discipline, the Directorate of Medical Education & Training, Odisha officially identified this higher specialty in the year 2012 to provide training & clinical service in this field of endocrine surgery. Since then this department is offering necessary academic support to the discipline of Endocrinology Department for running of the DM course in Endocrinology..

The department runs its OPD clinic in the super-specialty OPD block. It has 20 indoor beds (13 beds for male patients in Extra- Surgical Ward and 7 beds for female & paediatric patients in Female Surgical Ward) and two operating tables in a week. This department works in close collaboration with medical endocrinology department for diagnosis and management of various endocrinological diseases.

None of the medical colleges in Odisha have a department of endocrine surgery. Hence patients relating to this sub-specialty are being referred to this department from various parts of the state.

The department also offers service in laparoscopic surgery.

(i) Public Service in Endocrine Surgery.

A total number of 2210 patients of endocrine surgery have been treated in the dept. of experimental surgery during the period from the year 1998 to the year 2013. The number of patients treated year-wise during the 16 yrs period (1998-2213) is indicated below. The clinical data relating to all these patients has been stored in the department for future reference.

No. of Endo. Surgery patients treated by Deptt. of Experimental Surgery year-wise

Year	Thyroid	Adrenal	Parathyroid	Total number of Endo. Surg. Patients
1998	19	04	-	13
1999	32	01	-	33
2000	58	03	-	61
2001	75	01	01	77
2002	93	00	-	93
2003	88	03	-	91
2004	113	03	01	117
2005	152	02	02	156
2006	203	07	02	212
2007	212	03	-	215

2008	158	06	01	165
2009	271	04	02	277
2010	144	04	02	140
2011	174	04	02	180
2012	191	06	02	199
2013	150	06	04	160
Total	2134	57	19	2210

(iii) Academic Programs & Seminars Organized by the dept. for popularizing the art & science of endocrine surgery.

- a. **Endocrine Surgery update 2000-** was organized by Department of Experimental Surgery jointly with Dept. of pathology & Endocrinology SCB Medical College, Cuttack at Cuttack on 1st & 2nd October 2000
- b. 6th Annual Conference of Indian Association of Endocrine Surgeons(**IAESCON-2005**)- organized by department of Experimental Surgery, SCB Medical College, Cuttack on 10th & 11th September 2005 at Puri..
- c. **Onco-Endocrine clinico pathological meetings** – organized by dept. of Experimental Surgery jointly with dept. of pathology & held once every month
- d. **14th Annual Conference of Indian Association of Endocrine Surgeons -** organized by department of Surgery & Experimental Surgery, SCB Medical College, Cuttack on 4th & 5th October 2013, Bhubaneswar.
- e. Live Transmission of 11th Postgraduate Course in Endocrine Surgery from SGPGIMS, Lucknow to SCB Medical College, Cuttack- organized by department of Experimental Surgery, SCB Medical College, Cuttack on 8th & 9th November 2013.

(iv) Teaching activity

- Teaching of MBBS students, training of interns & training of Postgraduate Students of Surgery(MS)
- Tele endocrine surgery session on 4th Tuesday of every month with SGPGIMS, Lucknow for benefit of post graduate students of surgery& allied disciplines and on all Tuesdays from 12noon-1pm for knowledge gain of surgeons working in Dist. Hqrs. hospitals.

- Tele nuclear medicine session in Thyroid Cancer on 1st & 3rd Wednesday of every month attended by post graduate students of Radiation Oncology & surgery.
- Online Skill promotion program in Surgery for Medical professionals of the Dist. Hqrs Hospitals on every Tuesday using Telemedicine facility

5. Other activities

Application of New Medical Technology

The Department of Experimental Surgery in the year 2001 took initiative for implementation of a Telemedicine pilot project in the state of Odisha. This was implemented by the Odisha Govt. with support from ISRO/Department of Space, Govt. of India. The present head of the department was identified by the state Govt. as the Nodal Officer for Telemedicine Applications in the state.

The Department of Experimental Surgery functioned as the Nodal centre in the state for implementation of the project. Telemedicine monthly program was prepared and circulated to all participating medical colleges inside and outside the state. Tele-Medical Video Conferences were organized enabling live transmission of operating procedures from SGPGIMS, Lucknow to SCB Medical College, Cuttack. Tele-education programs were held on all working days. All these helped in remarkable knowledge gain of post-graduate medical students and updation of professional skill of medical college teachers.

Tele-health service was offered to people of the state using this medical technology. The first official state-level Telemedicine workshop of Health & Family Welfare Department, Govt. of Orissa was organized by HOD Experimental Surgery as its Convener in January 2007 at Cuttack for sensitization of health professionals of the state in Telemedicine Technology.

The department is preparing telemedicine action plan every year from 2005 onwards for smooth running of the established network. The HOD of Experimental Surgery is representing the State Govt. in a number of official National-level Telemedicine Meetings to present and highlight the outstanding achievements of Odisha Telemedicine Network. Today Odisha happens to be a leading state in the country in utilizing Telemedicine Technology.

The success story of Telemedicine experiments undertaken by the Department of Experimental Surgery of SCB Medical College, Cuttack in collaboration with Department of Endocrine Surgery of SGPGIMS, Lucknow was published in **World Journal of Surgery** in the year 2006.

The implementation of Odisha Telemedicine Network has made a significant impact on the international telemedicine community. It has succeeded

in attracting researchers from other countries to undertake studies on this network. To cite an example it may be mentioned here that a researcher from Ghana came to Odisha and undertook a research study titled “Tracing the formation of Odisha Telemedicine Network using Actor-Network Theory” under guidance of Prof. & HOD, Experimental Surgery which has been published in a reputed international journal ‘International Journal of Engineering Research & Development’

6. Contact us

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Thyroid swelling in the neck extending to chest before surgery



Patient cured after surgery



Thyroid Cancer with ulceration



Cured after surgical removal



Large Thyroid Tumor with death of
Overlying skin



Patient cured after surgery