

CURRICULUM VITAE

NAME: **THAMMINEEDI, SUBRAMANYESHWAR RAO**

POSITION TITLE: Medical Director, Chief Surgical Oncologist

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	Completion Date (MM/YYYY)	FIELD OF STUDY
Kakatiya Medical College, Warangal, India	MBBS	12/1988	Medicine/Surgery
Osmania Medical College, Hyderabad, India	MS	04/1993	General Surgery
Kidwai Memorial Institute of Oncology, Bengaluru, India	MCh	12/1996	Surgical Oncology

Personal Statement

I have been involved in cancer care for over 25 years. My clinical areas of interest are minimal access surgery with special focus on thoracic, gastrointestinal, gynecologic and genitourinary cancers. As the Medical Director and Chief of Surgical oncology, I have been involved in treating cancer patients belonging to various strata of society with diversity in access to health care facilities and financial resources. I have always aimed to achieve the best patient outcomes comparable to developed countries, even in a resource-constrained setting. I have been instrumental in starting Mch Surgical Oncology in MNJ Institute of Oncology & Regional Cancer Center and DNB Specialty & DrNB Superspeciality programs at Basavataarakam Indo American Cancer Hospital. I have vast experience as a Proctor for various live operative workshops, conferences and symposiums. As the Convener of the Academic Council of Indian Association of Surgical Oncology (IASO), I am also instrumental in conducting teaching programs to disseminate expert knowledge without any geographical limitations. I am a reviewer of various journals in Surgical, Gynec and Thoracic oncology. I believe in patient-centric compassionate cancer care, teaching & skill enhancement, constant learning, innovation and collaborative research.

POSITIONS, SCIENTIFIC APPOINTMENTS, AND HONORS

Positions and Employment:

2010 - Present	Medical Director and Chief of Surgical Oncology , Basavatarakam Indo American Cancer Hospital and Research Institute, Hyderabad, India
2004 – 2010	Professor of Surgery , MNJ Institute of Oncology and Regional Cancer Center, Hyderabad, India
1998 – 2004	Assistant Professor of Surgery , MNJ Institute of Oncology and Regional Cancer Center, Hyderabad, India
1993 – 1993	Resident Surgeon , Department of Surgical Oncology, Kidwai Memorial Institute of Oncology, Bengaluru, India
1989 – 1989	Senior House Officer , Department of General Surgery, Osmania Medical College, Hyderabad, India

Other Experiences and Professional Membership:

1. European Society for Gynecological Oncology (ESGO)
2. International Federation of Head and Neck Oncologic Societies (IFHNOS)
3. International Society for Diseases of the Esophagus (ISDE)
4. Brazilian Society of Surgical Oncology (BSSO) (Honorary Member)
5. Association of Surgeons of India (ASI)
6. Indian Association of Surgical Oncology (IASO)
7. Association of Minimal Access Surgeons of India (AMASI)
8. Association of Gynecologic Oncologists of India (AGOI)
9. Indian Society for Parenteral and Enteral Nutrition (ISPEN)
10. Indian Society for the Diseases of Esophagus and Stomach (ISES)
11. Association of Colon & Rectal Surgeons of India (ACSRI)
12. Indian Society of Peritoneal Surface Malignancies (ISPSM)
13. Indian Medical Association (IMA)

Offices in Professional Societies:

1. Present – Convener, IASO Academic Council, IASO
2. 2013 – 2014 Secretary, Indian Association of Surgical Oncology (IASO)
3. 2013 – 2014 President, The Association of Surgeons of India (ASI) AP &Telangana
4. Vice President, Hyderabad Surgeons Society
5. Scientific advisor, Guidelines on cancer nutrition
6. Advisor & Proctor in PACE Foundation for Surgical skill enhancement
7. Advisor-Energy tools development for Minimal Access Surgery
8. Member, ICMR Task force on Cervical Cancer
9. Chief Patron – Hockey Warangal

Honors:

1. **Best Teacher Award** – by Association of National Board Accredited Institutions (ANBAI),2017
2. **Legend of Laparoscopy Award,2015**
3. Ghatge Memorial Oration – IMA Hyderabad 2004
4. NBK Reddy Oration-ASI NELLORE,2004
5. Suguna Memorial Oration, Karimnagar,2013
6. Sajja Sudhakar Memorial oration, Chirala-2014
7. Dr.Sirish.K.Bhansali oration- ASICON 2014 ,Ahmedabad
8. Dr.NBK Reddy Oration ASI ,AP Chapter,Rajahmundry,2015
9. Dr.Saroj Gupta Memorial Oration- East Zone IASO Zonal conference. Kolkota 2015
10. Dr.Kompella Suryanarayana Murthy Endowment Oration, ASI AP Chapter, Cuddapah, August 2018
11. Ganni Satyanarayana Murthy memorial Oration, Rajahmundry ,November 2018
12. Dr. P.K.Sen memorial Oration-ASI Annual Chennai

EXAMINATION ASSIGNMENTS

Mch Surgical Oncology Examination:

1. MNJ Institute of Oncology & Regional Cancer Center, Hyderabad (2008, 2009, 2010)
2. Gujarat Cancer & Research Institute, Ahmedabad (2007)
3. Kidwai Memorial Institute of Oncology, Bengaluru (2006)
4. Banaras Hindu University, Varanasi (2012)
5. KGMU, Lucknow (2008)

DNB Surgical Oncology Examinations:

1. Kidwai Memorial Institute of Oncology, Bengaluru (2007)
2. Gujarat Cancer & Research Institute, Ahmedabad (2019)
3. Manipal Hospital, Bengaluru (2018, 2019)

CONTRIBUTIONS TO SCIENCE

1. Gastrointestinal cancers: Gastrointestinal cancers, especially esophageal cancers have been my special area of interest. Esophageal cancer surgery is demanding and can be associated with high morbidity. My efforts have been to constantly improve upon the technique of esophagectomy, early adoption of minimal access surgery, incorporating neoadjuvant practices as per International consensus guidelines and minimizing the potential morbidities of such procedures.

- a. <https://ascopost.com/issues/january-25-2021/indian-surgical-oncologist-offers-insights-into-delivering-equitable-cancer-care-in-a-resource-challenged-country>
- b. **Rao T S**, Raju KV, Patnaik SC, Reddy P, Saksena AR, Rajappa S, Influence of neoadjuvant therapy on outcomes in patients with resectable carcinoma of esophagus and gastro-esophageal junction from a tertiary cancer care center in India. *Journal of Surgical Oncology*. 2021 Mar 2.
- c. **Thammineedi SR**, Saksena AR, Nusrath S, Fluorescence-guided cancer surgery—a new paradigm. *J Surg Oncol*. 2021;1-20. <https://doi.org/10.1002/jso.26469>
- d. **Subramanyeshwar RT**, Raju KV, Patnaik SC, Saksena AR, Pratap RR, Rayani BK, Naik VM, Nusrath S. Minimally Invasive Esophagectomy the Standard of Care: Experience from a Tertiary Care Cancer Center from India. *Indian Journal of Surgical Oncology*. 2021 Mar 13:1-5.
- e. **Thammineedi, S.R.**, Patnaik, S.C., Saksena, A.R. Pratap Reddy, Syed Nusrath. The Utility of Indocyanine Green Angiography in the Assessment of Perfusion of Gastric Conduit and Proximal Esophageal Stump Against Visual Assessment in Patients Undergoing Esophagectomy: a Prospective Study. *Indian J Surg Oncol* (2020)
- f. Nusrath S, Saxena AR, Raju KV, Patnaik S, **Rao TS**, Bollineni N. The Value of Lymphadenectomy Post-Neoadjuvant Therapy in Carcinoma Esophagus: a Review. *Indian Journal of Surgical Oncology*. 2020 Aug 3:1-1.
- g. Nusrath S, **Thammineedi SR**, Raju KV, Patnaik SC, Pawar S, Santa A, Rajappa SJ, Mallavarapu KM, Raju K, Murthy S. Short-term Outcomes in Patients with Carcinoma of the Esophagus and Gastroesophageal Junction Receiving Neoadjuvant Chemotherapy or Chemoradiation before Surgery. A Prospective Study. *Rambam Maimonides medical journal*. 2019 Jan;10(1).
- h. Ramachandra, Goel V, Raju K, **Rao TS**, Patnaik, Nusrath, Murthy S. Prospective randomized controlled study comparing primary surgery versus neoadjuvant chemotherapy followed by surgery in gastric carcinoma. *Indian journal of surgical oncology*. 2019 Jun 4;10(2):245-50.

- i. Kolkman P, Stack A, McCarthy M, Kolkman M, **Rao TS**, Mukta S, Rajaram S, Thompson J, Are C. Variations in the histopathologic type of esophageal carcinoma between the United States of America and India. Indian journal of surgical oncology. 2016 Mar 1;7(1):52-5.
- j. Kolkman P, Soliman M, Kolkman M, Stack A, **Rao TS**, Mukta S, Schmid K, Thompson J, Are C. Comparison of resident operative case logs during a surgical oncology rotation in the United States and an international rotation in India. Indian journal of surgical oncology. 2015 Mar;6(1):36-40.

2. High Volume Experiences: At the Institute, we encounter patients with diverse clinical presentations and uncommon cancers. We constantly review our practices and outcomes, and through multidisciplinary management, incorporate the best practices into patient care.

- a. Nusrath S, Bafna S, Rajagopalan R, **Thammineedi SR**, Raju KV, Patnaik SC, Pawar S, Reddy Y, Chavali RN, Murthy SS. Uterine Sarcomas: Experience from a Tertiary Cancer Care Center from India. Indian journal of surgical oncology. 2019 Jun 4;10(2):342-9.
- b. Gupta V, **Rao TS**, Iyer RR, Patnaik SC, Nusrath S. Feasibility of Performing Laparoscopic Completion Staging in Incidentally Diagnosed Early-Stage Ovarian Carcinoma Patients. Indian Journal of Gynecologic Oncology. 2019 Jun 1;17(2):47.
- c. Singareddy R, Bajwa HK, Alluri KR, Raju KV, **Rao TS**, Rajeev G. Carcinoma vulva patterns of recurrence and treatment outcomes: A single-institution experience. Journal of Cancer Research and Therapeutics. 2019 Oct 1;15(6):1328.
- d. Nusrath S, **Thammineedi SR**, Patnaik SC, Raju KV, Pawar S, Goel V, Chavali RN, Murthy S. Anorectal Malignant Melanoma—Defining the Optimal Surgical Treatment and Prognostic Factors. Indian journal of surgical oncology. 2018 Dec;9(4):519-23.
- e. Gupta V, Rao C, Raju KV, Nemade H, Dasu S, Jayakarthish Y, Shukla S, **Rao TS**. Tracheal/Laryngeal Infiltration in Thyroid Cancer: a Single-Centre Experience. Indian Journal of Surgical Oncology. 2019 Oct 31:1-5.

3. Improvising Cancer Surgery: Cancer surgery requires constant innovation, improvisation to balance achievement of maximal cure and minimizing the resultant collateral damage to normal structures. Preserving function and a good quality of life after completion of cancer treatment is an important aspect of achieving good oncosurgical results.

- a. **Thammineedi SR**, Patnaik SC, Reddy P, Saksena AR, Bollineni N, Nusrath S. The Emerging Role of ICG Fluorescence during Minimally Invasive Esophagectomy. Indian Journal of Surgical Oncology. 2021 Jun 19:1-2.
- b. **Thammineedi S**. 465 VISUALISATION OF THORACIC DUCT DURING ESOPHAGECTOMY BY REAL-TIME FLUORESCENT IMAGING—A TECHNIQUE IN EVOLUTION. Diseases of the Esophagus. 2020 Sep;33(Supplement_1):doaa087-119.
- c. Nusrath S, Nair A, Dasu S, **Rao TS**, Raju KV, Rayani BK, Naik VM, Patnaik SC, Iyer RR, Saksena AR, Rao MR. Single-Dose Prophylactic Antibiotic Versus Extended Usage for Four Days in Clean-Contaminated Oncological Surgeries: a Randomized Clinical Trial. Indian Journal of Surgical Oncology. 2020 Sep;11(3):378-86.
- d. Gupta V, **Rao TS**, Raju K, Gsv R, Bollineni N. Fertility Preserving Surgery in Ovarian Cancer: Outcomes from a Tertiary Cancer Center. European Journal of Surgical Oncology. 2020 Feb 1;46(2):e110-1.
- e. Rao S LC, Syed N, Nemade HO, Gondi T J, Gangiti K, **Rao T S**. Cervicofacial-facial artery myocutaneous flap (C-FAM flap): A novel flap in oral cavity reconstruction. Journal of surgical oncology. 2017 Dec;116(8):1079-84.

f. Gangiti KK, Gondi JT, Nemade H, Sampathirao LC, Raju KV, **Rao TS**. Modified pectoralis major myocutaneous flap for the total glossectomy defects: effect on quality of life. *Journal of surgical oncology*. 2016 Jul;114(1):32-5.

4. Diagnostic research: Cancer is usually caused by molecular alterations which lead to mutations and uncontrolled cell proliferation. The various mutations and molecular subtypes can be potential targets for diagnosis, prognostication and formulation of treatment strategies.

- a. Murthy SS, Gundimeda SD, Challa S, Manjula V, Fonseca D, Rao VB, Rajappa SJ, Raju KV, **Rao TS**. FISH for EWSR1 in Ewing's sarcoma family of tumors: Experience from a tertiary care cancer center. *Indian Journal of Pathology and Microbiology*. 2021 Jan 1;64(1):96.
- b. Garudadri G, Rao BV, Sundaram C, Fonseca D, Murthy SS, Sharma R, **Rao TS**. Diagnostic utility of immunohistochemical marker protein for evaluation of primary and metastatic prostatic carcinomas. *Indian Journal of Pathology and Microbiology*. 2020 Feb 1;63(5):18.
- c. Rao BV, Regulavalasa T, Fonseca D, Murthy SS, Sharma R, Raju KV, **Rao TS**, Sundaram C. Differentiation of renal cell tumors with morphological cocktails using a minimal panel of immunohistochemical markers. *Urology Annals*. 2020 Jul;12(3):236.
- d. Nisha Hariharan, **T. Subramanyeshwar Rao**, Chandra K. Naidu, K.V.V.N. Raju, Senthil Rajappa, Santa Ayyagari, M.V.T. Krishnamohan, Sudha Murthy, Aparna Suryadevara, and Naren Bolneni. The Impact of Stage and Molecular Subtypes on Survival Outcomes in Young Women with Breast Cancer. *Journal of Adolescent and Young Adult Oncology*. Oct 2019.
- e. Sudhir R, Koppula VC, **Rao TS**, Sannapareddy K, Rajappa SJ, Murthy SS. Accuracy of digital mammography, ultrasound and MRI in predicting the pathological complete response and residual tumor size of breast cancer after completion of neoadjuvant chemotherapy. (Published online) DOI: 10.4103/ijc.IJC_795_19

OTHER PUBLICATIONS

1. **Rao T S**, Raju KV, Patnaik SC, Reddy P, Saksena AR, Rajappa S, Mallavarapu KM, Santa A, Gudipudi D, Bolneni N, Usofi Z. Influence of neoadjuvant therapy on outcomes in patients with resectable carcinoma of esophagus and gastro-esophageal junction from a tertiary cancer care center in India. *Journal of Surgical Oncology*. 2021 Mar 2.
2. **Subramanyeshwar RT**, Raju KV, Patnaik SC, Saksena AR, Pratap RR, Rayani BK, Naik VM, Nusrath S. Minimally Invasive Esophagectomy the Standard of Care: Experience from a Tertiary Care Cancer Center from India. *Indian Journal of Surgical Oncology*. 2021 Mar 13:1-5.
3. **Thammineedi SR**, Patnaik SC, Nusrath S. Minimal Invasive Esophagectomy—a New Dawn of Esophageal Surgery. *Indian Journal of Surgical Oncology*. 2020 Sep 1:1-0.
4. Nusrath S, Saxena AR, Raju KV, Patnaik S, **Rao TS**, Bollineni N. The Value of Lymphadenectomy Post-Neoadjuvant Therapy in Carcinoma Esophagus: a Review. *Indian Journal of Surgical Oncology*. 2020 Aug 3:1-1.
5. Nusrath, S., **Subramanyeshwar, R.T.**, Patnaik, S.C. et al. Primary Lower Chest Port Placement During Thoraco-Laparoscopic Assisted Esophagectomy Can Cause Potential Diaphragmatic and Liver Injuries: a Report of 2 Cases. *Indian J Surg Oncol* (2020). <https://doi.org/10.1007/s13193-020-01078-7>
6. Syed Nusrath, Murtaza Ahmed.S, Madhunarayana B, KVVN Raju, **Subramanyeshwar Rao.T**, Sujit Chyau Patnaik. Operative challenges with minimal invasive McKeown esophagostomy with 2 field lymphadenectomy in a case of situs inversus totalis with carcinoma esophagus. A case report with review of literature. *Indian Journal of Surgical Oncology*. 2020. DOI: 10.1007/s13193-020-01132-4

7. Syed Nusrath, Sujit Chyau Patnaik, Asiel Christopher, Ajesh Raj Saksena, **Subramanyeshwar Rao Thammineedi**, R Pratap Reddy. Flickering diaphragm sign, an indicator of laparoscopy-associated pneumothorax secondary to pleural breach. *Indian J Anaesthesia*.2020; 64 (3)233-235.
8. Nusrath S, **Thammineedi SR**, Raju KV, Patnaik SC, Pawar S, Santa A, Rajappa SJ, Mallavarapu KM, Raju K, Murthy S. Short-term Outcomes in Patients with Carcinoma of the Esophagus and Gastroesophageal Junction Receiving Neoadjuvant Chemotherapy or Chemoradiation before Surgery. A Prospective Study. *Rambam Maimonides medical journal*. 2019 Jan;10(1).
9. Usofi Z, **Rao TS**, Rao CS, Patnaik S, Fonseca D. A Rare Presentation of Carcinoma Post Cricoid with Unusual Synchronous Primary Malignancy in the Sigmoid Colon. *Indian Journal of Surgical Oncology*. 2020 Sep;11(2):293-6.
10. Vasala A, Nair HG, **Rao ST**, Tagore KR, Murthy SS, Fonseca D. Impact of methylene blue staining in the retrieval of lymph nodes in resected colorectal cancer specimens. *Indian Journal of Pathology and Microbiology*. 2016 Oct 1;59(4):504.
11. Vasala A, Nair H, **Rao TS**, Murthy SS, Tagore R, Ahmed F. Role of angiogenesis in colorectal carcinomas using VEGF and BCl2: an IHC study. *Annals of diagnostic pathology*. 2017 Dec;31:41-4.
12. Sudhir R, Koppula VC, **Rao TS**, Sannapareddy K, Rajappa SJ, Murthy SS. Accuracy of digital mammography, ultrasound and MRI in predicting the pathological complete response and residual tumor size of breast cancer after completion of neoadjuvant chemotherapy. (Published online) DOI: 10.4103/ijc.IJC_795_19
13. Gupta V, Raju K, **Rao TS**, Naidu CC. Does the Addition of Radioactive Sulfur Colloid to Methylene Blue Dye For Sentinel Lymph Node Biopsy in Early-Stage Breast Cancer Add to any Incremental Benefit: Results From a Randomized Trial. *European Journal of Surgical Oncology*. 2020 Feb 1;46(2):e49.
14. Nisha Hariharan, **T. Subramanyeshwar Rao**, Chandra K. Naidu, K.V.V.N. Raju, Senthil Rajappa, Santa Ayyagari, M.V.T. Krishnamohan, Sudha Murthy, Aparna Suryadevara, and NarenBolneni. The Impact of Stage and Molecular Subtypes on Survival Outcomes in Young Women with Breast Cancer. *Journal of Adolescent and Young Adult Oncology*.Oct 2019.628-634.<http://doi.org/10.1089/jayao.2019.0023>
15. Hariharan N, **Rao TS**, Naidu CC, Murthy SM, Vasala A, Koppula V, Rayani B, Dayanand K. Interpectoral tuberculous lymphadenitis masquerading as carcinoma breast: A case report.
16. Hariharan N, **Rao TS**. The evolving role of pathologic complete response in breast cancer. *South Asian Journal of Cancer*. 2019 Oct;8(4):210.
17. Gupta V, Raju KV, **Rao TS**, Naidu CK, Goel V, Hariharan N, Nagarajuch R, Madhunarayana B. A Randomized Trial Comparing the Efficacy of Methylene Blue Dye Alone Versus Combination of Methylene Blue Dye and Radioactive Sulfur Colloid in Sentinel Lymph Node Biopsy for Early Stage Breast Cancer Patients. *Indian Journal of Surgical Oncology*. 2019 Dec 10:1-7.
18. Goel V, Shukla S, Raju KV, Murtuza S, **Rao TS**. Revisiting Y-Shaped Closure Technique to Prevent the Dog Ear Formation in Women Undergoing Mastectomy. *Indian Journal of Surgical Oncology*. 2019 Mar 6;10(1):95-7.
19. Rukmangathan TM, Jonathan GT, Nemade H, **Rao TS**. A Story of Grit and Determination. *Indian Journal of Surgical Oncology*. 2021 Mar 18:1-2.
20. Kumar A, Dalakoti P, Kumar S, Jonathan GT, **Rao TS**, Nemade H. Dermal metastases in oral cancer after curative treatment-A single institution cohort study. *British Journal of Oral and Maxillofacial Surgery*. 2021 Mar 30.
21. Nusrath S, Goel V, Raju KV, **Rao TS**, Rao LC, Patnaik SC, Murthy S. Gingival Angiosarcoma: A Case Report and Clinicopathologic Review of 32 Cases of Primary Gingival Angiosarcoma. *Indian Journal of Surgical Oncology*. 2020 Jan 14:1-6.

22. Singareddy R, Bajwa HK, Reddy MM, Alluri KR, Raju KV, **Rao TS**, Rao LC. Mucoepidermoid Carcinoma of the Salivary Gland: Long Term Outcomes from a Tertiary Cancer Center in India. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2020 Jan 2;1-5.
23. Gupta V, Rao C, Raju KV, Nemade H, Dasu S, Jayakarthik Y, Shukla S, **Rao TS**. Tracheal/Laryngeal Infiltration in Thyroid Cancer: a Single-Centre Experience. *Indian Journal of Surgical Oncology*. 2019 Oct 31;1-5.
24. Nemade H, Nusrath S, Y J, Jonathan GT, Chandra Sekhara Rao S LM, Fonseca D, **Subramanyeshwar Rao T**. Primary Malignant Peripheral Nerve Sheath Tumor of the Trachea: a Case Report with Brief Review of Literature; *Indian J Surg Oncol*. 2019 Jun;10(2):392-395. doi: 10.1007/s13193-019-00907-8. Epub 2019 Mar 22
25. Kadapa N, Mangale K, Watve P, Rao S LC, Raju AK, **Subramanyeshwar Rao T**. Postcricoid carcinoma: Is organ preservation justified in T 3?. *The Laryngoscope*. 2015 Feb;125(2):356-9.
26. Gangiti KK, Gondi JT, Nemade H, Sampathirao LC, Raju KV, **Rao TS**. Modified pectoralis major myocutaneous flap for the total glossectomy defects: effect on quality of life. *Journal of surgical oncology*. 2016 Jul;114(1):32-5.
27. Nemade H, Bollineni N, Mortha S, Jonathan G, Kumar S, Rao LM, **Rao S**. Marginal Mandibulectomy Defect Reconstruction with Pectoralis Major Myocutaneous (PMMC) Flap in Cases of Carcinoma Buccal Mucosa: Experience from a Tertiary Cancer Institute. *Indian Journal of Surgical Oncology*. 2020 Sep;11(3):482-5.
28. Rao TS, Raju KV, Gupta V, Iyer RR. Fertility preserving surgery in carcinoma ovary: a single institution experience. *Indian Journal of Gynecologic Oncology*. 2021 Mar;19(1):1-8.
29. Thammineedi SR, Iyer RR, Bolneni N. Laparoscopy-assisted excision of an ovarian fibroma in an 18-month-old toddler: a case report. *European Journal of Gynaecological Oncology*. 2021 Feb 1;42(1):161-4.
30. Gupta V, Rao TS, Raju K, Gsv R, Bollineni N. Fertility Preserving Surgery in Ovarian Cancer: Outcomes from a Tertiary Cancer Center. *European Journal of Surgical Oncology*. 2020 Feb 1;46(2):e110-1.
31. Nusrath S, Bafna S, Rajagopalan R, Thammineedi SR, Raju KV, Patnaik SC, Pawar S, Reddy Y, Chavali RN, Murthy SS. Uterine Sarcomas: Experience from a Tertiary Cancer Care Center from India. *Indian journal of surgical oncology*. 2019 Jun 4;10(2):342-9.
32. Rao ST, Nusrath S, Iyer RR, Patnaik SC, Saksena AR, Vanzar P, Shukla S. Interpretation and Implications of LACC Trial. *Indian Journal of Gynecologic Oncology*. 2019 Jun 1;17(2):39.
33. Gupta V, Rao TS, Iyer RR, Patnaik SC, Nusrat S. Feasibility of Performing Laparoscopic Completion Staging in Incidentally Diagnosed Early-Stage Ovarian Carcinoma Patients. *Indian Journal of Gynecologic Oncology*. 2019 Jun 1;17(2):47.
34. Singareddy R, Bajwa HK, Alluri KR, Raju KV, Rao TS, Rajeev G. Carcinoma vulva patterns of recurrence and treatment outcomes: A single-institution experience. *Journal of Cancer Research and Therapeutics*. 2019 Oct 1;15(6):1328.
35. Goel V, Ramani K, Raju KV, Rao TS, Ramchandra CH, Gupta V, Fonseca D. Various Clinicopathological Factors Impacting Recurrence in Stage I Endometrial Cancer: A Retrospective Study. *Indian Journal of Gynecologic Oncology*. 2019 Sep 1;17(3):56.
36. Gupta V, Rao TS, Iyer RR, Patnaik SC, Nusrat S. Feasibility of Performing Laparoscopic Completion Staging in Incidentally Diagnosed Early-Stage Ovarian Carcinoma Patients. *Indian Journal of Gynecologic Oncology*. 2019 Jun 1;17(2):47.
37. Gupta V, Giridhar A, Sharma R, Ahmed SM, Raju KV, Rao TS. Malignancy in an Undescended Intra-abdominal Testis: a Single Institution Experience. *Indian Journal of Surgical Oncology*. 2021 Mar;12(1):133-8.
38. Mandava A, Koppula V, Sharma G, Kandati M, Raju KV, **Subramanyeshwar Rao T**. Evaluation of genitourinary fistulas in pelvic malignancies with etiopathologic correlation: role of cross sectional imaging in detection and management. *The British Journal of Radiology*. 2020 Jul;93(1111):20200049.

39. Rao V, Garudadri G, Shilpa AS, Fonseca D, Sudha SM, Sharma R, **Subramanyeshwar TR**, Challa S. Validation of the WHO 2016 new Gleason score of prostatic carcinoma. *Urology annals*. 2018 Jul;10(3):324.
40. Rao BV, Nair H, Murthy S, Sharma R, **Rao S**. Prostatic High-Grade Stromal Sarcoma—A Rare Encounter. *Indian Journal of Surgical Oncology*. 2017 Sep;8(3):440-2.
41. Garudadri G, Rao BV, Sundaram C, Fonseca D, Murthy SS, Sharma R, **Rao TS**. Diagnostic utility of immunohistochemical marker prostein for evaluation of primary and metastatic prostatic carcinomas. *Indian Journal of Pathology and Microbiology*. 2020 Feb 1;63(5):18.
42. Rao BV, Regulavalasa T, Fonseca D, Murthy SS, Sharma R, Raju KV, **Rao TS**, Sundaram C. Differentiation of renal cell tumors with morphological cocktails using a minimal panel of immunohistochemical markers. *Urology Annals*. 2020 Jul;12(3):236.

COLLABORATIVE RESEARCH

1. Ranganathan P, Sengar M, Chinnaswamy G, Agrawal G, Arumugham R, Bhatt R, Bilimagga R, Chakrabarti J, Chandrasekharan A, Subramanyeshwar Rao Thammineedi, Chaturvedi HK, Choudhrie R. Impact of COVID-19 on cancer care in India: a cohort study. *The Lancet Oncology*. 2021 May 27.
2. Adduri RS, Kavadiyala P, Kotapalli V, Bashyam L, Shirke A, Kumar Paripati A, Gowrishankar S, Srinivasulu M, Ali MM, Rao S, Dhagam S. Transcriptome analysis of oral tongue cancer reveals novel insights into wild type and mutant TP53 transcription program.
3. Pandilla R, Kotapalli V, Gowrishankar S, Chigurupati M, Patnaik S, Uppin S, Rao S, Kalidindi N, Regulagadda S, Sundaram C, Srinivasulu M. Distinct genetic aberrations in oesophageal adeno and squamous carcinoma. *European journal of clinical investigation*. 2013 Dec;43(12):1233-9.
4. Bashyam MD, Kotapalli V, Raman R, Chaudhary AK, Gowrishankar S, Kongara R, Uppin S, D'Souza S, Tester A, Devendra D, Bhatt J. Low frequency of MLH1/MSH2 inactivation in suspected HNPCC patients from India.
5. Adduri RS, Kotapalli V, Gupta NA, Gowrishankar S, Srinivasulu M, Ali MM, Rao S, Uppin SG, Nayak UK, Dhagam S, Chigurupati MV. P53 nuclear stabilization is associated with FHIT loss and younger age of onset in squamous cell carcinoma of oral tongue. *BMC clinical pathology*. 2014 Dec;14(1):1-8.
6. Kavela S, Shinde SR, Ratheesh R, Viswakalyan K, Bashyam MD, Gowrishankar S, Vamsy M, Pattnaik S, Rao S, Sastry RA, Srinivasulu M. PNUTS functions as a proto-oncogene by sequestering PTEN. *Cancer research*. 2013 Jan 1;73(1):205-14.
7. Raman R, Kotapalli V, Adduri R, Gowrishankar S, Bashyam L, Chaudhary A, Vamsy M, Patnaik S, Srinivasulu M, Sastry R, Rao S. Evidence for possible non-canonical pathway (s) driven early-onset colorectal cancer in India. *Molecular carcinogenesis*. 2014 Feb;53(S1):E181-6.

RESEARCH SUPPORT:

I have been actively involved with multicenter center initiated trials, to promote research beyond limitations of geography, finances and logistics, and facilitate international collaborations for more effective treatment strategies.

Ongoing studies:

1. Study on Liquid Biopsy with Tissue-Matched NGS of TNBC patient samples – Prospective collaborative research project initiated with Indian Institute of Technology (IIT), Hyderabad on Triple Negative Breast Cancers. Project is funded by Department of Science and Technology, Government of India.

Role: Co-Investigator

Ongoing: 2021-present

2. Non-invasive diagnosis of breast cancer using ultrasound-based liquid biopsy in a point-of-care setting. Prospective collaborative research project initiated with Indian Institute of Technology (IIT), Hyderabad on Triple Negative Breast Cancers. Project is funded by Department of Science and Technology, Government of India.

Role: Co-Investigator

Ongoing: 2021-present

3. ADD-ASPIRIN: A phase III, double-blind, placebo controlled, Randomized trial assessing the effects of aspirin on disease recurrence and survival after primary therapy in common non-metastatic solid tumours (Multicentric – UK Medical Research Council Initiated Trial)

Chief Investigator and Lead Investigator: Professor Ruth Langley

Role: Co-Investigator

Ongoing: 2018 – Present

Jointly funded by Cancer Research UK (grant number C471 /A15015), the National Institute for Health Research Health Technology Assessment Programme (project number 12/01/38) and the MRC Clinical Trials Unit at UCL. In India, the Sir Dorabji Tata Trust is funding the project.

4. EAGLE study – An international, cluster randomised-sequence study of a ‘Safe-anastomosis’ Quality Improvement Intervention to reduce anastomotic leak following right colectomy and ileocaecal Resection.

Chief Investigator: Professor Dion Morton

Role: Co-Investigator

EAGLE is funded by the European Society of Coloproctology (ESCP) and supported by the University of Birmingham Clinical Trials Unit and the NIHR Global Health Research Unit on Global Surgery.

5. International Validation of the Locally recurrent rectal cancer – Quality of life (LRRQ-QOL) Questionnaire and a Longitudinal, Prospective, International Study of Patient reported outcomes in Locally recurrent rectal cancers.

Chief investigator: Miss Deena Harji

Role: Co-Investigator

Collaborative studies completed within the last 3 years:

1. Proluton Study: A Phase III Randomized Controlled study of Inj. Proluton (Hydroxyprogesterone caproate) as single dose preoperative therapy in patients with high risk operable breast cancer – Multicentric Trial.

Role: Co-Investigator

2. Outcomes of elective cancer surgery during the COVID-19 pandemic crisis: an international, multicenter, observational cohort study (CovidSurg-Cancer)

Role: Co-Investigator

3. Outcomes of surgery in COVID-19 infection: international cohort study (CovidSurg)

Role: Co-Investigator

4. Randomized controlled trial to assess blockade of voltage gated sodium channels during surgery in operable breast cancer.

Role: Co-investigator

5. Multicentric Screening of Breast Cancer Patients to determine efficiency and to assess Sensitivity and Accuracy of Pandora CDxMammoAlertTM in screening of breast cancer.

Role: Co-investigator

6. A Phase III Randomized controlled study of Inj. Proluton (Hydroxyprogesteronecaproate) as single dose preoperative therapy in patients with high risk operable breast cancer.

Role: Co-investigator

7. Accuracy of core biopsy in predicting pathological complete response (pCR) in the breast in patients with complete clinical and radiological response (CRBr): A feasibility study.

Role: Co-investigator