Name: Dr.Kavitha Dhanasekaran

Designation: Scientist-D

Division/Department: Clinical Oncology

Educational Qualification: MD(O&G) Rus, Trained colposcopist

Work Experience: 17 years

Research Interests: Preventive Oncology, Community-based cancer screening, ablative treatment methods, capacity building in cancer screening

Membership of Professional Societies:
Life member of ISCCP (Indian society of colposcopy and cervical pathology)
Member of IFCPC (International Federation of Cervical Pathology and Colposcopy) (2018-2023)

Member of any national/international research/academic committee:

Life member of ISCCP (Indian society of colposcopy and cervical pathology)
Member of IFCPC (International Federation of Cervical Pathology and Colposcopy) (2018-2023)
Member secretary of Institutional Ethics committee(ICMR-NICPR)

Fellowships/Awards/Patents (academic/national/international): Nil

Publications: (latest first and in Vancouver style with latest impact factor):

1. **Dhanasekaran K,** Gupta S, Ramakrishna U, Hariprasad R. Congenital Transformation Zone Mimicking Cervical Premalignant Lesion. J Obstet Gynaecol India. 2021;71(5):557-559. doi:10.1007/s13224-020-01352-2 (IF-0)

2. Gupta R, Hariprasad R, **Dhanasekaran K**, Sodhani P, Mehrotra R, Kumar N, Gupta S. Reappraisal of cytology-histology correlation in cervical cytology based on the recent American Society of Cytopathology guidelines (2017) at a cancer research centre. Cytopathology. 2020:31(1):53-58. (IF-1.4)

3. **Dhanasekaran K**, Babu R, Kumar V, Mehrotra R, Hariprasad R. Capacity Building of Gynecologists in Cancer Screening Through Hybrid Training Approach. J Cancer Educ. 2020: 35(6):1243-1249. (IF-2.037)

4. Gupta R, **Dhanasekaran K**, Hariprasad R, Gupta S. Inverted condyloma of the cervix: A rare mimicker of a high-grade cervical lesion. Indian J Pathol Microbiol 2020: 63(4):661-662. (IF-0.5)

5. Gupta R, Hariprasad R, **Dhanasekaran K,** Gupta S. Malignant perivascular epithelioid tumor of the vagina: Report of a rare case with brief review of literature. Diagn Cytopathol.2020:48(5):483-488. (IF-1.582)

6. **Dhanasekaran K**, Babu R, Kumar V, Singh S, Hariprasad R. Factors influencing the retention of participants in online cancer screening training programs in India. BMC Med Educ. 2020:20(1):220 (IF-2.463)

7. Hariprasad R, Tulsyan S, Babu R, **Dhanasekaran K,** Thakur N, Hussain S, Tripathi R, Sreenivas V, Sharma S, Sriram L, Singh S, Mehrotra R. Evaluation of a Chip-Based, Point-of-Care, Portable, Real-Time Micro PCR Analyzer for the Detection of High-Risk Human Papillomavirus in Uterine Cervix in India. JCO Glob Oncol. 2020:6:1147-115 (IF-0)

8. Babu R, **Dhanasekaran K**, Mehrotra R, Hariprasad R. Leveraging Technology for Nation-Wide Training of Healthcare Professionals in Cancer Screening in India: a Methods Article. J Cancer Educ. 2020 Mar 4. doi: 10.1007/s13187-020-01720-6. Epub ahead of print. PMID: 32130665. (IF-2.037)

9. Kedar A, Hariprasad R, Kumar V, **Dhanasekaran K,** Mehrotra R. Association of metabolic NCD risk factors with oral, breast and cervical precancers and cancers in India. Fam Med Community Health. 2019 Oct 30;7(4):e000180. doi: 10.1136/fmch-2019-000180. PMID: 32148727; PMCID: PMC6910767. (IF-0)

10. **Dhanasekaran K,** Verma C, Kumar V, Hariprasad R, Gupta R, Gupta S, Mehrotra R. Cervical Cancer Screening Services at Tertiary Healthcare Facility: An Alternative Approach. Asian Pac J Cancer Prev. 2019 Apr 29;20(4):1265-1269. (IF-0)

11. Thomas BE, Thiruvengadam K, S R, Kadam D, Ovung S, Sivakumar S, Bala Yogendra Shivakumar SV, Paradkar M, Gupte N, Suryavanshi N, Dolla CK, Gupte AN, Kohli R, Pradhan N, Sivaramakrishnan GN, Gaikwad S, Kagal A, **Dhanasekaran K**, Deluca A, Golub JE, Mave V, Chandrasekaran P, Gupta A; CTRIUMPH-RePORT India Study. Smoking, alcohol use disorder and tuberculosis treatment outcomes: A dual co-morbidity burden that cannot be ignored. PLoS One. 2019 Jul 31;14(7):e0220507. doi:

10.1371/journal.pone.0220507. Erratum in: PLoS One. 2019 Nov 1;14(11):e0224914. PMID: 31365583; PMCID: PMC6668833. (IF-3.240)

12. Mave, V., Chandrasekaran, P., Chavan, A., Shivakumar, S., **Dhanasekaran, K.,** Paradkar, M., et al… CTRIUMPH RePORT India Study Team (2019). Infection free "resisters" among household contacts of adult pulmonary tuberculosis. PloS one, 14(7), e0218034. https://doi.org/10.1371/journal.pone.0218034 (IF-3.240)
13. Saranathan R, Sathyamurthi P, Thiruvengadam K, Murugesan S, Shivakumar SVBY, Gomathi NS, **Kavitha D,** Paradkar M, Puvaneshwari R, Kannan M, Madheswaran A, Pradhan N, Kulkarni V, Gupte AN, Gupte N, Mave V, Bollinger RC, Gupta A, Padmapriyadarsini C, Hanna LE; C-TRIUMPh Study Team. MAL adaptor (TIRAP) S180L polymorphism and severity of disease among tuberculosis patients. Infect Genet Evol. 2020 Jan;77:104093. doi: 10.1016/j.meegid.2019.104093. Epub 2019 Oct 31. PMID: 31678649. (IF-2.7)

14. Ramachandran G, Chandrasekaran P, Gaikwad S, Agibothu Kupparam HK, Thiruvengadam K, Gupte N, Paradkar M, **Dhanasekaran K**, Sivaramakrishnan GN, Kagal A, Thomas B, Pradhan N, Kadam D, Hanna LE, Balasubramanian U, Kulkarni V, Murali L, Golub J, Gupte A, Shivakumar SVBY, Swaminathan S, Dooley KE, Gupta A, Mave V; Cohort for Tuberculosis Research by the Indo-US Partnership (CTRIUMPh) Team. Subtherapeutic Rifampicin Concentration Is Associated With Unfavorable Tuberculosis Treatment Outcomes. Clin Infect Dis. 2020 Mar 17;70(7):1463-1470. doi: 10.1093/cid/ciz380. (IF-9.079)

15. Chandrasekaran P, Mave V, Thiruvengadam K, Gupte N, Shivakumar SVBY, Hanna LE, Kulkarni V, Kadam D, **Dhanasekaran K**, Paradkar M, Thomas B, Kohli R, Dolla C, Bharadwaj R, Sivaramakrishnan GN, Pradhan N, Gupte A, Murali L, Valvi C, Swaminathan S, Gupta A; CTRIUMPH Study Team. Tuberculin skin test and QuantiFERON-Gold In Tube assay for diagnosis of latent TB infection among household contacts of pulmonary TB patients in high TB burden setting. PLoS One. 2018 Aug 1;13(8):e0199360. doi: 10.1371/journal.pone.0199360. (IF-3.240)

16. Dolla, C., Padmapriyadarsini, C., Pradeep Menon, A., Muniyandi, M., Adinarayanan, S., Sekar, G., **Kavitha, D**., et al (2017). Tuberculosis among the homeless in Chennai city, South India. Transactions of the Royal Society of Tropical Medicine and Hygiene, 111(10), 479–481. https://doi.org/10.1093/trstmh/trx081(IF-1.175)

17. Narendran G, **Kavitha D**, Karunaiananthan R, Gil-Santana L, Almeida-Junior JL, Reddy SD, Kumar MM, Hemalatha H, Jayanthi NN, Ravichandran N, Krishnaraja R, Prabhakar A, Manoharan T, Nithyananthan L, Arjunan G, Natrajan M, Swaminathan S, Andrade BB. Role of LTA4H Polymorphism in Tuberculosis-Associated Immune Reconstitution Inflammatory Syndrome Occurrence and Clinical Severity in Patients Infected with HIV.

PLoS One. 2016 Sep 19;11(9):e0163298. doi: 10.1371/journal.pone.0163298. PMID: 27643598; PMCID: PMC5028072. (IF-3.240)

Popular articles/op-ed/media-coverage: (latest first and provide title and link):

Nil

Presentations/Talks/Lectures: (latest first, title of the presentation, organized by and date)

Co-course director/In-house expert& co-convener for NICPR-ECHO's online cancer screening training program

Sl. No.	Name of the course	Duration (in weeks)	Start Date	End Date
1	Cancer Screening Training Program for Medical officers (CSTP-MO)	14	September 25, 2018	January 8, 2019
2	Cancer Screening Training Program for Medical officers (CSTP-MO2)	14	December 5, 2018	March 6, 2019
3	Cancer Screening Training Program for Medical officers (CSTP-MO 3)	14	March 12, 2019	June 11, 2019
4	Cancer Screening Training Program for Medical officers (CSTP-MO4)	14	May 8 2019	August 14, 2019
5	Cancer Screening Training Program for Medical officers (CSTP-MO 5)	14	July1, 2019	October 7, 2019
6	Cancer Screening Training Program for Medical officers (CSTP-MO 6)	14	July2, 2019	October 15, 2019
7	Cancer Screening Training Program for Medical officers (CSTP-MO 7)	14	July4, 2019	October 10, 2019
8	Cancer Screening Training Program for Medical officers (CSTP-MO 8)	14	September 11, 2019	December 18,2019
9	Cancer Screening Training Program for Medical officers (CSTP-MO 9)	14	November 21, 2019	February 20, 2020
10	Cancer Screening Training Program for Medical officers (CSTP-MO10)	14	January 8, 2020	April 8, 2020

11	Cancer Screening Training Program for Nurses (CSTP-N2)	10	August 17, 2020	October 19, 2020
12	Cancer Screening Training Program for Nurses (CSTP-N)	10	June 1, 2020	August 3, 2020
13	Cancer Screening Training Program for Medical officers (CSTP- MO11 & MO12)	14	May 19, 2020	August 18, 2020
14	Cancer Screening Training Program for Medical officers (CSTP-MO13)	14	September 16, 2020	December 16,2020
15	Cancer Screening Training Program for Medical officers (CSTP-MO14)	14	November 29, 2021	February 28, 2022
16	Advanced Cancer Screening Training Program for Gynbecologists (ACSTP-G4)	15	May 28, 2020	September 3, 2020
17	Advanced Cancer Screening Training Program for Dentists (ACSTP-O2)	15	January7,2020	April21,2020
18	Advanced Cancer Screening Training Program for Dentists (ACSTP-O3)	15	September17, 2020	December 24, 2020
19	Advanced Cancer Screening Training Program for Dentists (ACSTP-O4)	15	October 13, 2020	January 19, 2021

List of presentations in NICPR-ECHO's online cancer screening training program:

Course Name	Date	Topic Name	My Role
CSTP-MO	**30/10/2018**	**Treatment of CIN and Screen Positives**	**Expert**
CSTP-MO	**13/11/18**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-MO-2	**09/01/19**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-MO-3	**09/04/19**	**Treatment of CIN and Screen Positives**	**Expert**
CSTP-MO-3	**16/04/19**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-MO-4	**12/06/19**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-MO-5	**15/07/19**	**Visual Inspection with Acetic Acid (VIA) & its Evaluation**	**Expert**

CSTP-MO-5	**29/07/19**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-MO-6	**09/07/19**	**Methods of cervical cancer Screening and their advantage and disadvantages, Cervical Cancer Screening Guidelines in India**	**Expert**
CSTP-MO 6	**29/07/19**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-MO-7	**11/07/19**	**Methods of cervical cancer Screening and their advantage and disadvantages, Cervical Cancer Screening Guidelines in India**	**Expert**
CSTP-MO-7	**1/08/19**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-MO-8	**25/09/19**	**Visual Inspection with Acetic Acid (VIA) & its Evaluation**	**Expert**
CSTP-MO-8	**16/10/19**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-MO-9	**28/11/19**	**Methods of cervical cancer Screening and their advantage and disadvantages, Cervical Cancer Screening Guidelines in India**	**Expert**
CSTP-MO-9	**12/12/19**	**Treatment of CIN and Screen Positives**	**Expert**
ASTP-G3	**16/12/2019**	**Principles and Practice of Colposcopy**	**Expert**
ASTP-G3	**13/01/2020**	**Treatment of cervical pre-cancers by ablative methods**	**Expert**
CSTP-MO10	**15/01/20**	**Methods of cervical cancer Screening and their advantage and disadvantages, Cervical Cancer Screening Guidelines in India**	**Expert**
CSTP-MO10	**29/01/20**	**Treatment of CIN and Screen Positives**	**Expert**
CSTP-MO11	**02/06/20**	**Visual Inspection with Acetic Acid (VIA) & its Evaluation**	**Expert**
ASTP-G4	**04/06/20**	**Introduction to cervical cancer screening and various screening tests**	**Expert**
CSTP-MO11	**16/06/20**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-MO12	**10/06/20**	**Methods of cervical cancer Screening and their advantage and disadvantages, Cervical Cancer Screening Guidelines in India**	**Expert**
CSTP-MO12	**24/06/20**	**Treatment of CIN and Screen Positives**	**Expert**
ASCP_G4	**20/08/20**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-MO13	**23/09/20**	**Methods of cervical cancer Screening and their advantage and disadvantages, Cervical Cancer**	**Expert**

		Screening Guidelines in India	
CSTP-MO13	**07/10/20**	**Treatment of CIN and Screen Positives**	**Expert**
CSTP-MO14	**13/12/21**	**VIA**	**Expert**
CSTP-MO14	**27/12/21**	**Case Scenarios in Cervical Cancer Screening and Management**	**Expert**
CSTP-N	**08/06/20**	**Methods of cervical cancer Screening and their advantage and disadvantages, Cervical Cancer Screening Guidelines in India**	**Expert**
CSTP-N	**22/06/20**	**Treatment of CIN and Screen Positives**	**Expert**
CSTP-N	**06/07/20**	**Introduction to Breast Cancer Screening, Self & Clinical Breast Examination**	**Expert**
CSTP-N2	**24/08/20**	**Methods of cervical cancer Screening and their advantage and disadvantages, Cervical Cancer Screening Guidelines in India**	**Expert**
CSTP-N2	**07/09/20**	**Treatment of CIN and Screen Positives**	**Expert**
CSTP-N2	**21/09/20**	**Introduction to Breast Cancer Screening, Self & Clinical Breast Examination**	**Expert**
Invited talks:			
HBHRC-ECHO	**18/12/2020**	**Methods of cervical cancer screening and their advantages and disadvantages**	
HBHRC-ECHO	**12/02/2021**	**Documentation of cancer screening results**	
HBHRC-ECHO	**28/05/2021**	**Introduction to Cancer Screening and the role of staff nurses in the nations' cancer screening program**	
HBHRC-ECHO	**04/06/2021**	**Methods of cervical cancer screening and their advantages and disadvantages**	
HBHRC-ECHO	**30/07/2021**	**Infection Control & Documenting Cancer Screening Results**	
HBHRC-ECHO	**08/10/2021**	**Introduction to Cancer Screening and the role of staff nurses in the nations' cancer screening program**	
HBHRC-ECHO	**14/10/21**	**Methods of cervical Cancer Screening and their advantages and disadvantages**	
HBHRC-ECHO	**22/10/21**	**Visual Inspection with Acetic Acid (VIA) & its Evaluation**	
HBHRC-ECHO	**17/12/2021**	**Documentation of cancer screening results**	

Trainings done as master trainer:

- Master trainer for cervical cancer screening in Universal NCD screening training program for gynecologists in Rajasthan, organized by TATA Trusts in collaboration with NICPR from 11th to 13th December 2018, Hanumangarh.

- Master trainer for cervical cancer screening module for “Training of Master trainers from the state of Chhattisgarh: Trained Medical officers, staff nurses

- Cohort-1: 7-1-2021
- Cohort-2: 14-1-2021

- Master trainer for cervical cancer screening module for “Training of Master trainers from the state of MP”: Trained Medical officers, staff nurses and gynecologists from Ratlam district, Sidhi district, Mandsaur district and Shivpuri district.

- Cohort-1: 8-10th February 2021
- Cohort-2: 15-17th February 2021
- Cohort-3: 1-3rd March 2021
- Cohort-4: 8-10th March 2021

- Master trainer for cervical cancer screening module for “Training of Master trainers from the state of Chhattisgarh: Trained Medical officers

- Cohort-1: 3-9-2021
- Cohort-2: 8-9-2021

- Hands-on training of Gynaecologists on Cervical Cancer Screening and Treatment of Pre-cancer (for Gynaecologists from Chhattisgarh State).

- Cohort-1: 16-17th November,2021

- Hands-on training of medical officers on Cervical Cancer Screening and Treatment of Pre-cancer (for Chhattisgarh State).

- Cohort-1: 15-12-2021
- Cohort-2: 16-12-2021
- Cohort-3: 17-12-2021

- Post Introduction Evaluation of HPV vaccination program in Sikkim, 10-18 May 2019, Gangtok, Sikkim (one of the representatives from ICMR for PIE)

Workshops & webinars organized/ co-organized:

Sl. No.	Name of the workshop	Start Date	End Date
1	Hands-on workshop on cervical and breast cancer screening for gynecologist	24th July 2018	26th July 2018
2	Hands-on workshop on screening for common cancers from 18th-20th of September 2018	18th Sep 2018	20th Sep 2018
3	Workshop on screening for common cancers for ANMs" on 26th October 2018	26th Oct 2018	26th Oct 2018
4	Workshop on screening for common cancers for ASHAs" on 25th October 2018	25th Oct 2018	25th Oct 2018
5	Hands-on workshop on screening for common cancers" between 18th -20th February 2019	18thFeb 2019	20thFeb 2019
6	Awareness program on common cancers for ASHA workers	8th March,2019	8th March,2019
7	Hands on Oral Cancer Screening Workshop	April 10, 2019	April 10, 2019
8	Enabling continuum of care for cancer-Training of trainers	17 July 2019	19 July 2019
9	Hands-on training and workshop for staff nurses, ANMs, MHWs, ASHAs and AYUSH doctors at the Karatagi CHC	Aug 28, 2019	Aug 30, 2019
10	One –day Training on Good clinical Practices and Research Ethics for Ethics committee members	23rd September 2019	23rd September 2019
11	World Cancer Research Day	24th September	24th September

		2019	2019
12	Breast cancer Awareness program for ASHA workers	15-10-2019.	15-10-2019.
13	Hands-on training on Screening for Common Cancers Workshop	Nov 5, 2019	Nov 7, 2019
14	DHR –ICMR funded Hands-on training on Screening for Common Cancers Workshop	Feb25,2020	Feb27,2020
15	Virtual Brain storming and curriculum finalization meeting for cancer screening training program for staff nurses	May 13,2020	May 13,2020
16	Webinar titled "Protecting Youth from Industry Manipulation and Preventing them from Tobacco and Nicotine Use." on World no Tobacco day	May 31, 2020	May 31,2020
17	Webinar on Breast cancer awareness for teachers	Oct 16, 2020	Oct 16, 2020
18	Webinar on Cervical cancer awareness for general public	Jan 19, 2021	Jan 19, 2021

Trainings in NICPR:

Sl. No.	Training program	Start Date	End Date
1	ISCCP accredited Advanced Colposcopy training for Gynecologists	June 3, 2019	July 7, 2019
2	ISCCP accredited Advanced Colposcopy training for Gynecologists	Aug1,2019	Sept3,2019
3	Hands-on training on Screening for Common Cancers for staff nurses from Assam	Oct14,2019	Oct25,2019
5	ISCCP accredited Advanced Colposcopy training for Gynecologists	Nov 8, 2019	Dec 9, 2019

Projects:

Ongoing

Completed

For each project please give

Title of project

Name of funding agency/Intramural

Role: PI/Co-PI/Co-I

Duration of project

List of projects handled as PI/ Co-PI

Completed projects:

S.No	Name of the Projects	Responsibility
1	Evaluation of acceptance and satisfaction of cancer screening services among attendees, motivated by ASHAs, in a semi-urban population of Uttar Pradesh Source of funding: Intramural Duration of the project: 2019 - 2020	Principal Investigator
2	Empowering health workers to update knowledge and skills in the area of cancer prevention through tele-mentoring using ECHO model Source of funding: Tata Trust Duration of the project: 2018 – 2020 Total budget: Rs 28,00,000	Co- Principal Investigator
3	Evaluation of breast light as a tool for early detection of breast cancer in women positive on clinical breast examination or at high risk of having breast cancer Source of funding: Intramural Duration of the project: 2019 - 2021	Co- Principal Investigator
4	Oral Cancer Screening: development of research partnership and feasibility study Duration of the project: 2019 - 2021 Source of funding: Global Challenges Research Fund (GCRF), UK In collaboration with University of Warwick Total budget: Rs 25,92,000 (Seed grant)	Co- Principal Investigator

Ongoing Studies		
1	Assessing the prevalence of Risk Factors for Non-Communicable Diseases Including Common Cancers among Nurses in Delhi NCR Using Digital Community Based Assessment Checklist: A Pilot Study Source of funding: Intramural Duration of the project: 2020 - 2021	Principal Investigator
2	Evaluation of modified thermography as a tool for early detection of breast cancer in women attending breast clinic at NICPR Source of funding: Intramural Duration of the project: 2019 - 2022	Co- Principal Investigator
3	Scaling up of implementation of primary HPV screening by self-sampling Duration of the project: 2020-2023 Source of funding: ICRC-ICMR Total budget: Rs. 1,47,92,600	Principal Investigator (12-7-21 onwards)
4	Capacity building of healthcare providers in screening & early detection of common cancers using a hybrid model as a part of the population-based cancer screening program in India. Duration of the project: 2019-2024 Source of funding: ECHO India Total budget: Rs.28,00,000	Co- Principal Investigator

Brief Biosketch (not more than 100 words):

I am a trained Gynecologist, preventive oncologist, colposcopist working as Scientist-D in the department of Clinical Oncology, ICMR-National Institute of Cancer Prevention and Research (under Ministry of Health and Family Welfare, Government of India). My core work involves cancer screening (preventable common cancers like cervical, breast and oral cancer) and research in this area. I am Involved in the capacity building of healthcare professionals in various cadre in cancer screening through online courses and in-person trainings. I have authored various national and international publications. I have authored/co-authored various training modules on cervical cancer screening released by ICMR-NICPR.

Contact me at:

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Kavitha.dh@icmr.gov.in

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Phone number:8178218414

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