

MD (Pathology)
Title (Plan of Thesis)
(Session 2015-2018)

| S.No. | Title (Plan of Thesis) |
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| 1. | To study growth differentiation factor 15 (GDF15) in polytransfused children with beta thalassemia major |
| 2. | To study the serum levels of pro-inflammatory and anti-inflammatory cytokines in pediatric tuberculosis |
| 3. | Detection of Tubercle Bacilli in Tuberculous lymphadenitis using Papanicolaou stain induced autofluorescence method in comparison to Ziehl-Neelsen method on cytology smears |
| 4. | Study of role of peripheral blood natural killer cells and cytokines-IFNY and TNF α in female infertility |
| 5. | Study of expression of epithelial mesenchymal transition markers at invasive tumor front and its association with tumor grade in primary head and neck squamous cell carcinoma |
| 6. | A study of expression of mammoglobin and gross cystic disease fluid protein in breast cancer |
| 7. | Study of antiphospholipid antibody in patients with acute immune thrombocytopenia. |
| 8. | Role of immunocytochemistry in the diagnosis of malignant bone tumours |
| 9. | A study of epidermal growth factor receptor expression in breast cancer and its correlation with estrogen receptor, progesterone receptor and histological grade |
| 10. | Expression of epidermal growth factor receptor in malignant epithelial ovarian tumours and its correlation with histological grading |
| 11. | To study the expression of e-cadherin and β -catenin and there correlation with various grades of oral cancers |

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| 12. | Immunohistochemical characterisation of leucocytic infiltrate and its correlation with histopathological response to chemotherapy in breast cancer |
| 13. | An Audit of histopathologic diagnostic work-up of patients treated for spinal tuberculosis |
| 14. | YB1 protein expression in breast cancer |
| 15. | Assessment of galectin-3 and CD117 immunocytochemistry in the diagnosis of indeterminate thyroid lesions |
| 16. | HER2 and COX-2 expression in colorectal cancer and their distribution in different categories based on tumour border configuration |
| 17. | Assessment of FokI vitamin-D receptor gene polymorphism in patients of type 2 diabetes mellitus |
| 18. | Morphologic spectrum of anal cytology in a tertiary level hospital and evaluation of hTERT gene expression in cases with squamous cell abnormalities |
| 19. | Audit of prevailing practices of cytomorphological work up of effusions of joint capsule |
| 20. | Prothrombotic markers in patients with end stage renal disease before and after dialysis |
| 21. | Factor V Leiden and acquired activated protein C resistance in women with recurrent fetal loss |
| 22. | Noninvasive methods for direct immunofluorescence in pemphigus vulgaris |
| 23. | Association of HER2/NEU expression by immunohistochemistry and chromogenic in-situ hybridization in urinary bladder cancer |

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| 24. | Association of $\alpha 2\beta 1$ integrin (ITGA2) gene polymorphism in patients of type2 diabetes mellitus with retinopathy |
| 25. | Correlation of atrx expression with histomorphological and proliferation markers in diffusely infiltrating gliomas |
| 26. | Role of newer hematological parameters in evaluation of hematological recovery in hematological disorders |
| 27. | Role of HLA antibodies in allogeneic stem cell transplantation-Pre Transplant assessment and Post transplant monitoring |
| 28. | To study the panel of four immunohistochemical markers (Carbonic Anhydrase IX, α -Methyl-CoA-Racemase, Cytokeratin 7 and TFE-3) for subclassification of renal cell carcinoma |