

## Department of Oral Pathology

### Research Projects (Faculty)

No	PROJECT TITLE	PRINCIPLE INVESTIGATOR	CO INVESTIGATOR	INITIATED	COMPLETED	CENTRE
1	Smokeless tobacco & Dental caries- Devil with two horns	Dr. Sudheendra U.S (staff)	Dr Sowmya K (staff) Dr. Neelu Nagpal (PG)	MARCH 2010	JULY 2010	PCDS & RC
2	Establishing communal identity – can odontoanthropometry provide a link?	Dr. Sudheendra U.S (Staff)	Dr Sowmya K (staff) Dr. Neelu Nagpal (PG)	SEP 2010	SEP 2011	PCDS & RC
3	Bhopal Gas Tragedy- An audit of craniofacial anomalies in first generation survivors.	Dr Sowmya K (staff)	Dr. Sudheendra U.S (staff) Dr. Vidhi Mathur (PG)	MARCH 2010	JULY 2010	PCDS & RC
4	Denture Semacoding – A novel technique of denture identification.	Dr. Sudheendra U.S (staff)	Dr Sowmya K (staff) Dr Shreenivas Kallianpur (staff) Dr. Vidhi Mathur (PG)	APR 2011	AUG 2011	PCDS & RC
5	Age estimation by dental parameters	Dr. Sudheendra U.S (staff)	Dr Sowmya K (staff) Dr. Nidhi Choudhan (PG)	APR 2011	AUG 2011	PCDS & RC
6	OSMF and Oral Health- A new possible relation	Dr. Sudheendra U.S (staff)	Dr Sowmya K (staff) Dr. Nidhi Choudhan	MARCH 2010	JULY 2010	PCDS & RC

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<b>7</b>	Immunoexpression Of Tumour Stroma – From Non-Metastatic To Metastatic	Dr. Sudheendra U.S (staff)	Dr Sowmya K (staff) Dr. _Nidhi Choudaha (PG)	MAR 2010	OCT 2010	PCDS & RC
<b>8</b>	An epidemiological study on tobacco related oral habits and its associated lesions in general populations of Bhopal.	Dr Manisha Tijare (staff)	Dr. Shreenivas K (staff) Dr.Vinod Sargaiyan (PG)	MARCH 2010	SEP 2010	PCDS & RC
<b>9</b>	An anthropometric analysis of facial height, arch length, and palatal rugae in the Indian and Nepalese population	Dr. Shreenivas K (staff)	Dr sowmya K (staff) Dr. Ami Desai (PG)	APR 2011	AUG 2011	PCDS & RC
<b>10</b>	Addiction biology of commercial areca nut chewing and response to nicotine replacement therapy – descriptive epidemiological analysis of 100 subjects	Dr. Shreenivas K (staff)	Dr. Prathmesh Joshi (staff) Dr. Sudheendra US (staff) Dr. Ami Desai (PG)	APR 2010	SEP 2010	PCDS & RC
<b>11</b>	Plastination-An intricate and real display of oral tissues.	Dr Sudheendra US (staff)	Dr Sowmya K (staff) Dr. Megha Jain (PG)	APR 2010	SEP 2010	PCDS & RC
<b>12</b>	Evaluation of changes in microbial flora of patients with fixed orthodontic	Dr. Manisha Tijare (staff)	Dr Chandresh Shukla (Phd student)	APR 2011	In Process	DEPARTMENT OF MICROBIOLOGY,

	appliances and effect of electrical & manual tooth brushing on colonization of oral microflora					BARKATULLAH UNIVERSITY
<b>13</b>	An appraisal of cranio-dento-facial anomalies in mentally challenged children of Bhopal city- Choose not to place 'dis' in their 'abilities'.	Dr Sowmya K (staff)	Dr Sandeep Gupta(staff) Dr Shreenivas K (staff) Dr. Megha Jain (PG)	APR 2011	OCT 2011	PCDS & RC
<b>14</b>	DNA Extraction from acid treated teeth: Solving an unsolved mystery	Dr. Sowmya K (staff)	Dr. Sudheendra US (staff) Dr. Samar Khan	APR 2011	AUG 2011	MPCST
<b>15</b>	Effect of Rapid microwave fixation and processing technique on Immunofluorescence and Immunohistochemistry	Dr. Sudheendra US (staff)	Dr. Sowmya K (staff) Dr. Manisha Tijare (staff) Dr. Samar Khan (PG)	APR 2010	SEP 2010	PCDS & RC
<b>16</b>	Cancer Therapy: Continuance of health burden	Dr. Sowmya K (staff)	Dr Sandeep Gupta(staff) Dr. Manisha Tijare (staff) Dr. Samar Khan (PG)	APR 2011	OCT 2011	JLNC & PCDS & RC
<b>17</b>	Salivary reflection in diabetics: A study	Dr. Shreenivas K (staff)	Dr.Sowmya K (staff) Dr Shweta Chouhan (PG)	JUN 2012	OCT 2012	PCMS

<b>18</b>	Awareness of Hepatitis B among dental practitioners and students of Bhopal city.	Dr Sowmya K (staff)	Dr. Sandeep Gupta (staff)Dr. Anubhuti Mohania (PG) Dr.Dhara Dwivedi	JUN 2012	OCT 2012	PCDS & RC
<b>19</b>	Effectiveness of various disinfection methods of extracted human teeth	Dr. Manisha Tijare (staff)	Dr. Sowmya K (staff) Dr. Smitha D(PG)	JUN 2012	OCT 2013	PCDS & RC
<b>20</b>	The potential of n-Heptane as a xylene substitute in routine histopathology.	Dr. Shreenivas K (staff)	Dr. Anubhuti Mohania (PG)	APR 2013	OCT 2013	CSRD
<b>21</b>	Comparison of the efficacy of LA, saline as emergency fixatives	Dr. Sowmya K(staff)	Dr Sandeep Gupta(staff) Dr. Dhara Dwivedi (PG)	APR 2013	OCT 2013	PCDS &RC
<b>22</b>	Inter-observer consistency in the histological grading of oral squamous cell carcinoma– a comparative study	Dr. Shreenivas K	Dr. Sandeep Gupta, Dr. Ami Desai, Dr.Dhara Dwivedi	SEP 2013	NOV 2013	PCDS & RC
<b>23</b>	Can looks be deceptive- provisional diagnosis verses Final diagnosis	Dr. Shreenivas K	Dr.Manisha Tijare (staff) Dr. Sandeep Gupta, Dr. Ami Desai, Dr.Ankita Jain	SEP 2013	NOV 2013	PCDS & RC
<b>24</b>	Incidence & prevalence of Salivary gland lesion in Bhopal: An institutional study	Dr.Manisha Tijare (staff)	Dr. Shreenivas K Dr. Sandeep Gupta, Dr. Ami Desai,	SEP 2013	NOV 2013	

<b>25</b>	Qualitative assessment of smear prepared from scrape cytology and rinse method	Dr Manisha Tijare	Dr Vidhi Mathur , Dr. Ami Desai, Dr Rupal Parihar	20 <sup>th</sup> May - 2014	10 <sup>th</sup> July 2014	PCDS & RC
<b>26</b>	Quantitative Analysis of DNA From H&E Stained Archival Cytological Smears.	Dr. Shreenivas K	Dr. Sandeep Gupta Dr Swati Nema	1 <sup>st</sup> May 2014	11 <sup>th</sup> July 2014	PCDS & RC
<b>27</b>	DNA extraction and amplification from archival tissue sources	Dr. Shreenivas Kallianpur	Dr Ankita Jain, Dr Ami Desai, Dr Rinky	8 <sup>th</sup> May 2014	Oct 2014	PCDS & RC
<b>28</b>	Qualitative & quantitative assessment of DNA from cytological smears: Oral rinse cytology & scrape cytology	Dr. Manisha Tijare	Dr. Rupal Parihar, Dr. Sandeep, Dr. Vidhi	8 <sup>th</sup> May 2014	Oct 2014	PCDS & RC

**Department of Oral Pathology**  
**Research Projects (Students)**

No	PROJECT TITLE	PRINCIPLE INVESTIGATOR	CO INVESTIGATOR	INITIATED	COMPLETED	CENTRE
1	Determination of Sex from teeth samples – a PCR based study	Dr. Neelu Nagpal (PG)	Dr. Manisha Tijare (staff) Dr Sowmya K (staff)	SEP 2010	AUG 2011	MPCST
2	Nuclear morphometry analysis of metastatic and non-metastatic OSCC – a retrospective study	Dr. Vidhi Mathur (PG)	Dr Sowmya K (staff)	SEPT 2010	AUG 2011	PCDS & RC
3	Role of desmoplakins in OSCC – an immunohistochemical analysis	Dr. Nidhi Choudhan (PG)	Dr. Sudheendra U.S (staff)	SEPT 2010	AUG 2011	JLNC PCDS & RC
4	To estimate the levels of serum copper and iron in OSMF	Dr.Vinod Sargaiyan (PG)	Dr Manisha Tijare (staff)	SEPT 2010	AUG 2011	PCMS
5	Quantification of circulating plasma DNA fragments in patients with oral cancer and precancerous lesions.	Dr. Ami Desai (PG)	Dr. Shreenivas K (staff)	SEP 2011	NOV 2012	CSRD

6	Different DNA Extraction method from archival formalin fixed and paraffin embedded tissues of oral squamous cell carcinoma: A comparative study	Dr. Samar Khan (PG)	Dr. Manisha Tijare(staff) Dr. Sowmya K(staff)	SEP 2011	NOV 2012	CSRD
7	Assessment of tissue eosinophilia in oral precancer & oscc : an image analysis study.	Dr Megha Jain (PG)	Dr.Sowmya K (staff)	SEP 2011	NOV 2012	PCDS & RC
8	Estimation of serum lipid profile in Gutkha chewers with and without OSMF.	Dr. Ankit A Agrawal (PG)	Dr. Manisha T(staff) Dr Sowmya K	OCT 2011	NOV 2013	PCMS
9	Estimation of salivary glucose and candidal prevalence in diabetics.	Dr. Shweta Chouhan(PG)	Dr. Shreenivas K (staff)	OCT 2011	NOV 2013	PCMS
10	SEM study of leukoplakia, oral submucous fibrosis and squamous cell carcinoma with special emphasis on histopathological and	Dr. Rinky A (PG)	Dr. Manisha T (staff)	OCT 2011	NOV 2013	MANIT

	mycological study					
11	Quantification of serum Midkine in OSCC & premalignancy	Dr. Anubhuti Mohania (PG)	Dr. Shreenivas K (staff)	OCT 2012	In Process	CSRD
12	Effects of conventional & microwave tissue processing on DNA integrity : a comparative molecular analysis	Dr.Dhara Dwivedi (PG)	Dr.Sowmya K (staff)	OCT 2012	In Process	CSRD
13	Evaluation of frequency of micronuclei using acridine orange,feulgen, PAP, Giemsa stains, among tobacco users.	Dr.Smitha D (PG)	Dr.Manisha Tijare(staff)	OCT 2012	In Process	PCDS & RC
14	Evaluation of myofibroblast in oral Leukoplakia and oral Squamous cell carcinoma	Dr Rupal Parihar	Dr Manisha Tijare	20 <sup>th</sup> December 2013	In progress	CHIRAYU MEDICAL COLLEGE, BHOPAL
14	Quantitative Analysis of ROR1 and ROR2 in Squamous cellcarcinoma	Dr Swati Nema	Dr. Shreenivas K	20 <sup>th</sup> December 2013	In progress	AIIMS, BHOPAL



16	Estimation of serum and salivary IL-6 and 8 in oral Squamous cell carcinoma	Dr Ankita Jain	Dr Shreenivas K	20 <sup>th</sup> December 2013	In progress	CSRD
17	Assessment of serum IL-10 and IL-12 in oral premalignancy and squamous cell carcinoma	Dr. Shreya Shrivastava	Dr Shreenivas K	24 <sup>th</sup> December 2014	In progress	CSRD
18	Detection of HPV and its association with potentially malignant disorders and squamous cell carcinoma- A retrospective study	Dr. Anushree Rathore	Dr Manisha Tijare	24 <sup>th</sup> December 2014	In progress	CSRD