

❖ Protein profiles stained with CBB showed presence of extra-DNA in tobacco habitues (both patients and healthy individuals). But **Summary:** not found in non-tobacco habituates.

- ❖ Plasma Total sialic acid (TSA), lipid bound sialic acid (LSA), mucoid protein and Hexoses levels were significantly elevated in oral cancer patients ($p= 0.01$, $p=0.001$, $p=0.0001$ and $p=0.0001$, respectively) as compared to the controls.
- ❖ Plasma TSA/TP, LSA/TP, mucoid protein/TP and hexoses/TP levels were significantly elevated in oral cancer patients ($p= 0.017$, $p=0.001$, $p=0.0001$ and $p=0.0001$, respectively) as compare to the healthy individuals.
- ❖ Plasma TSA, LSA, Mucoid protein and Hexoses levels were comparable between stage: 3 and stage:4 of oral cancer patients.
- ❖ Plasma TSA/TP, LSA/TP, mucoid protein/TP and hexoses/TP levels were also comparable between stage: 3 and stage:4 of oral cancer patients.
- ❖ Plasma TSA, LSA, mucoid protein and hexoses levels were comparable between well and moderately differentiated oral cancer patients.
- ❖ Plasma TSA/TP, LSA/TP, mucoid protein/TP and hexoses/TP levels were also comparable between well and moderately differentiated oral cancer patients.
- ❖ Receiver's Operating Characteristic (ROC) Curve analysis indicated that all the glycoprotien markers (TSA, LSA, Mucoid protein, Hexoses, TSA/TP, LSA/TP, Mucoid protein/TP and Hexoses/TP) had good discriminatory efficacy between healthy individuals and oral cancer patients.

- ❖ Protein profiles stained with CBB showed presence of Extra-band in tobacco habitues (both patients and healthy individuals). But this band was not found in non-tobacco habitues.
- ❖ Glycoprotein pattern (staining with Schiff reagent) indicated that glycosylation was higher in gamma region in oral cancer patients than healthy individuals.

These findings are helpful for diagnosis and might be helpful for prognostication of oral cancer patients.