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**Study of Vascular Cell Adhesion Molecule-1
(VCAM-1) Expression in Oral Mucosal Tissues of
Lichen Planus Patients**

Thesis

*Submitted to the Faculty of Oral and Dental Medicine, in
Partial Fulfillment of the Requirements for the Degree of
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(Oral Medicine and Periodontology)*

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To My lovely kids

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List of Abbreviations

aa	: Amino acid
AGEs	: Advanced glycosylated end products
APCs	: Antigen presenting cells
C3	: Complement 3.
CAMs	: cell adhesion molecules
CD	: Cluster of differentiation
CLA	: Cutaneous lymphocyte associated antigen
COX-2	: Cyclo-oxygenase-2
CR3	: Complement receptor 3.
CTLs	: Cytotoxic T-lymphocytes
ELAM-1	: Endothelial leukocyte adhesion molecule-1
E-SL-1	: E-selectin ligand-1
FDC	: Follicular dendritic cells.
FN	: Fibronectin
Gly-CAM-1	: Glycosylation dependent cell adhesion molecule
GM-CSF	: Granulocyte-macrophage colony stimulating factor
GMP-140	: Granule membrane protein-140
Gp IIb/IIIa	: Glycoprotein IIb/IIIa
GVHD	: Graft versus host disease
HEVs	: High endothelial venules.
HLA	: Human leukocyte antigen
HSP-70	: Heat shock protein -70
HUVECs	: Human umbilical vein endothelial cells
ICAM-1	: Intercellular adhesion molecule-1
IDDM	: Insulin dependant diabetes mellitus
IFN γ	: Interferon gamma.