Pathological Role of Biofilm in Fungal Rhinosinusitis

THESIS

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Contents

List of Abbreviations

Abbreviation	Meaning
AFIFS	Acute fulminant invasive fungal sinusitis
AFRS	Allergic fungal rhinosinusitis
BHI	Brain heart infusion
BNP	Bilateral nasal polypi
CI	Confedence interval
CIFS	Chronic invasive fungal sinusitis
CLSM	confocal laser scanning microscopy
CRS	chronic rhinosinusitis
CT scan	Computed topography scan
Df	Degrees of freedom
EFRS	Eosinophilic fungal rhinosinusitis
EM	Electron microscope
EMRS	Eosinophilic mucin rhinosinusitis
ENT	Ear ,nose& throat
EPS	Extracellular polymeric substance
FESS	Functional endoscopic sinus surgery
FISH	Fluorescence In Situ Hybridization

List of Abbreviations

Abbreviation	Meaning
G-CSF	Granulocyte colony-stimulating factor
GERD	Gastro -esophageal reflux disease
GIFS	Granulomatous invasive fungal rhinosinusitis
GMS	The Modified Gomori Methenamine-Silver Nitrate Stain
H&E	Hematoxylin and eosin
LMS	Lund Mackay score
LKS(Pre)	Lund Kennedy score before treatment
LKS(Post)	Lund Kennedy score after treatment
MRI	Magnetic resonance imaging
MBP	Major basic protein
OCT	Optical coherence tomography
OSA	Obstructive sleep apnea
PAS	Periodic acid Schiff
PBMCs	Peripheral blood mononuclear cells
PIA	Polysaccharide intracellular adhesion
PNS	Paranasal sinus
ROC	Rhino-orbito-cerebral
S.aureus	Staphylococcus aureus

List of Abbreviations

SD	Standard deviation
SE	Standard error
SEM	Scanning Electron Microscope
SFB	Sinus fungus ball
TEM	Transmission electron microscopy

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