

Table 1
MMP’s role in remodeling extracellular matrix (ECM) [6]

PHYSIOLOGICAL PROCESSES	PATHOLOGICAL PROCESSES
Ovulation	Growth/metastatic dissemination of tumors
Trophoblast and blastocyst implantation	
Embryogenesis	Rheumatoid arthritis, osteoarthritis
Morphogenesis of salivary glands	Periodontium disease
Development/involution of mammary glands	Pulmonary fibrosis
	Liver cirrhosis
Dilatation of cervix uteri	Gastric and stercoral ulcer
Uterine involution	Dilatational cardiomyopathy
Development/alteration of bones	Atherosclerosis
Healing of wounds/fractures	Arterial aneurism
Angiogenesis	Glomerulonephritis
Functioning of macrophages/ neutrophils	Encephalomyelitis

Table 2
MMP-9 rate depending on the course type and stage of disease

Course type	Stage of disease	Number of patients	MMP-9 rate
RRMS	Exacerbation	26	381.54±22.19
	Remission	45	122.05±7.82
SPMS	Progression	28	169.98±15.64
	Stabilization	21	114.64±8.43
PPMS	Progression	8	147.03±6.78
	Stabilization	7	121.96±10.90