LIST OF ABBREVIATIONS

%	Percentage.
+ve	Positive.
ACPA	Anti-cyclic-citrullinated peptide antibodies.
ACR	American College of Rheumatology.
ARA	American Rheumatism Association.
AZA	Azathioprine.
BAP	Serum bone-specific alkaline phosphatase.
BCSP	Bone sialoprotein.
BMD	Bone mineral density.
BMI	Body mass index.
CBC	Complete blood picture.
CD	Cluster of differentiation.
cm	Centimeter.
CMC	Carpo-metacarpal.
COX	Cyclooxygenase.
CRP	C-reactive protein.
Cs	Corticosteroids.
CT	Computerized tomography.
CTR	Calcitonin receptor.
CTS	Carpel tunnel syndrome.
CTx	C-terminal of type 1 collagen.
DAS	Disease activity score.
Dkk-1	Dickkopf-1.
DM	Diabetes mellitus.
DMARDs	Disease modifying anti-rheumatic drugs.
DNA	Deoxyribonucleic acid.
Dpd	Free deoxypyridinoline.
DXA	Dual energy X-ray absorptiometry.
E	Erosions.
EAM	Extra-articular or systemic manifestation.
ESR	Erythrocyte sedimentation rate.
EULAR	European League Against Rheumatism.
F	One way ANOVA.
FDA	Food and Drug Administration.
FLS	Fibroblast like synoviocytes.

FM	Fibromyalgia.
gms	grams
HAQ	Health Assessment Questionnaire.
Hb	Hemoglobin.
Hcq	Hydroquine.
HLA	Human leukocyte antigen.
Hr	Hour.
HR-pQCT	High-resolution peripheral quantitative CT.
HT	Hormone replacement therapy.
HTN	Hypertension.
IL	Interleukin.
IP	Interphalengeal.
ISCD	International Society for Clinical Densitometry.
JSN	Joint space narrowing.
K	Kruskal-Wallis test.
L1-L4	1st and 4th lumbar vertebrae.
LEF	Leflunomide.
LL	Lower limbs.
Lt	Left.
MCP	Metacarpopharengeal.
M-CSF	Monocyte /macrophage colony- stimulating factor.
mg	Milligram.
min	Minutes.
mm	Millimeter.
MMPs	Matrix metalloproteinases.
mono	Monotherapy.
MRI	Magnetic resonance imaging.
mRNA	Messenger ribonucleic acid.
MTP	Metatarsopharengeal.
mTSS	Modified total Sharp score.
MTX	Methotrexate.
NF-κB	Nuclear factor–Kappa beta .
No.	Number.
NSAIDs	Non-steroidal anti-inflammatory drugs.
NTx	Urinary N-terminal of type 1 collagen.
OA	Osteoarthritis.
OCN	Osteocalcin.

OP	Osteoporosis.
OPG	Osteoprotegerin.
PICP	Carboxy-terminal propeptide of type I procollagen.
PINP	Amino-terminal propeptide of type I procollagen.
PIP	Proximal interphalengeal
PLT	Platelets.
PXR	Plain X-ray.
RA	Rheumatoid arthritis.
RANK	Receptor activator of nuclear factor–Kappa beta.
RANKL	Receptor activator of nuclear factor–Kappa beta ligand.
RBC	Red blood cells.
RF	Rheumatoid factor.
RN	Rheumatoid nodule.
ROM	Range of motion.
SD	Standard deviations.
SIJ	Sacroiliac joint.
SSZ	Sulfasalzine.
t	Independent sample t test.
TMJ	Tempro-mandibilar joint.
TNAP	Tissue nonspecific alkaline phosphatase.
TNF-α	Tumor necrosis factor- alpha.
TP1NP	Total procollagen type 1 amino-terminal propeptide.
TRAP	Tartrate-resistant acid phosphatase.
U	Mann Whitney U test.
UL	Upper limbs
US	Ultrasound.
-ve	Negative.
WBC	White blood cells.
WHO	World Health Organization.
Wnt	Wingless.
X2	Pearson Chi square.
yrs	Years.
β-CTx	β-CrossLaps.
μl	Microleter.