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Chondroblastoma and chondromyxoid fibroma: disentangling the neoplastic chondrogenesis of two rare cartilaginous tumours

Salvatore, R.

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**CHONDROBLASTOMA AND CHONDROMYXOID
FIBROMA: DISENTANGLING THE NEOPLASTIC
CHONDROGENESIS OF TWO RARE CARTILAGINOUS
TUMOURS**

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FIBROMA: DISENTANGLING THE NEOPLASTIC
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TUMOURS**

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Promotiecommissie:

Promotor: Prof. Dr. P.C.W. Hogendoorn

Overige leden: Prof. Dr. A.P. dei Tos (Padova University, Padova, Italy)

Prof. Dr. P. ten Dijke

Prof. Dr. C.W.G.M. Löwik

Prof. Dr. F. Mertens (Lund University, Lund, Sweden)

Prof. Dr. A.H.M. Taminiau

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"Si fallor sum"
Saint Augustine of Hippo (354-430 A.C.)

Aan Paola en mijn ouders

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ABBREVIATIONS:

ACP5: Tartrate Resistant Acid Phosphatase 5
ADAMTS6: ADAM metallopeptidase with thrombospondin type-1 motif, 6
ALCAM: Activated Leukocyte Adhesion Molecule
AR: Androgen Receptor
CA10: Carbonic Anhydrase X
CB: Chondroblastoma
CDH11: Cadherin 11 type 2
CGH: Comparative Genomic Hybridization
CMF: Chondromyxoid fibroma
COBRA: Combined Binary Ratio
COL2A: Collagen, type II, Alpha 1
CSPG2: Chondroitin Sulphate ProteoGlycan type 2
CTSK: Cathepsin K
CYP19: Cytochrome P450, family 19, subfamily A, polypeptide 1
ECM: Extracellular Matrix
ESR1: Oestrogen Receptor 1
FAT: FAT tumour suppressor homolog 1
FGF: Fibroblastic Growth Factor
FISH: Fluorescence In Situ Hybridization
FYN: FYN oncogene related to SRC, FGR, YES
GLI1: Glioma Associated Oncogene Homolog family zinc finger 1
HGCCS: High-Grade Central Chondrosarcoma
HPF: High Power Field
HPSG2: Heparan Sulphate ProteoGlycan type 2
IHH: Indian Hedgehog
LAMB2: Laminin Beta 2
MMP13: Matrix Metallopeptidase 13
MMP2: Matrix Metallopeptidase 2
OC: Osteochondroma
PAI1: Plasminogen Activator Inhibitor type 1
PCR: Polymerase Chain Reaction
PLOD2: Procollagen-Lysine 2-Oxoglutarate 5-Dioxygenase 2
PTH1H: ParaThyroid Hormone Like Hormone
PTH1R: ParaThyroid Hormone 1 Receptor
PTCH1: Patched 1
SMA: Smooth Muscle Actin
SMO: Smoothed
SOD1: Superoxyde Dismutase1
SRD5A1: Steroid-5-Alpha-Reductase, Alpha Polypeptide 1
TGF- β : Transforming Growth Factor- β

