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Retrospective review of children with osteogenic sarcoma from 1990 to 2010 at a tertiary hospital in Johannesburg

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Table 2: Characteristics of children with osteosarcoma at CMJAH

Variable	Number of patients n =55	Percentage
DEMOGRAPHICS		
Sex		
Male	27	49
Female	28	51
HIV		
Negative	40	72.7
Positive	0	0
Unknown	15	27.3
Race		
Black	40	72.7
White	8	15.5
Mixed ancestry	6	10.9
Asian	1	1.8
Body mass index (BMI)		
BMI>18	12	21.8
BMI<18	43	78.2
TUMOUR CHARACTERISTICS		
Site of Primary tumour		
Appendicular	49	89
Axial	6	11
Stage at presentation		
Stage 1	1	1.8
Stage 2	33	60
Stage 3	3	5.5
Stage 4	18	32.7
Number of masses		
Single	49	89.1
Multiple	5	9.1
Undocumented	1	1.8
Histology		
Osteoblastic	37	67.3
Chondroblastic	9	16.4
Fibroblastic	1	1.8
Telangiectatic	5	9.1
Unknown	3	5.4
Elevated non-specific tumour markers		
Alkaline phosphatase	55	100
Lactate dehydrogenase	46	83

*BMI: Body mass index

CMJAH: Charlotte Maxeke Johannesburg Academic Hospital

HIV: Human Immunodeficiency Virus