
Contents

1	Introduction.....	1
2	Bone Development.....	3
	Clinical Applications for Skeletal Determinations.....	4
	Diagnosis of Growth Disorders	5
	Final Height Predictions.....	5
	Conventional Techniques for Skeletal Determinations.....	6
	Computer Assisted Techniques for Skeletal Determinations	8
3	Indicators of Skeletal Maturity in Children and Adolescents	11
	Infancy	12
	Toddlers.....	12
	Pre-puberty	14
	Early and Mid-puberty	16
	Late Puberty	16
	Post-puberty	18
4	Digital Bone Age Atlas	21
	Subjects.....	21
	Methods and Techniques.....	21
	Validation of Standards and Technique.....	22
5	Software User Manual	27
	IPhone and IPad Apps.....	27
	Software Installation	27
	Software User Manual	28
6	Reference Images	31
7	Tables	91
	References	95