

1. Record Nr.	UNINA9911007355303321
Autore	Radlanski Ralf Johannes
Titolo	Atlas of Human Prenatal Craniofacial Development / / by Ralf Johannes Radlanski
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-88812-X
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (230 pages)
Disciplina	617.52059
Soggetti	Mouth - Surgery Dentistry Mouth Anatomy Oral and Maxillofacial Surgery Oral Anatomy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Section I. Introduction -- Chapter 1 Introduction -- Chapter 2 Terminology -- Chapter 3 Material and Methods -- Section II. Plates -- Chapter 4 Embryo 15 mm CRL (ca. 6th wk): STE290687 -- Chapter 5 Embryo 18 mm CRL (ca. 6th wk): GUS110785 -- Chapter 6 Embryo 19 mm CRL (ca. 7th wk): CHR220687 -- Chapter 7 Embryo 20 mm CRL (ca. 7-8th wk): ADE160787 -- Chapter 8 Embryo 21 mm CRL (ca. 7th wk): NEL110989 -- Chapter 9 Embryo 22 mm CRL (ca. 7th wk): EMM150787 -- Chapter 10 Embryo 22 mm CRL (ca. 7th wk): ALI070785 -- Chapter 11 Embryo 22 mm CRL (ca. 7th wk): DID110688 -- Chapter 12 Embryo 24 mm CRL (ca. 8th wk): BAL110787 -- Chapter 13 Embryo 25 mm CRL (ca. 8th wk): JOS080289 -- Chapter 14 Embryo 29 mm CRL (ca. 8th wk): OLL080785 -- Chapter 15 Embryo 30 mm CRL (ca. 8th wk): T61_060765 -- Chapter 16 Embryo 31 mm CRL (ca. 8th wk): PIP161189 -- Chapter 17 Embryo 37 mm CRL (ca. 9th wk): DOR100785 -- Chapter 18 Embryo 41 mm CRL (ca. 9th wk): KUR030389 -- Chapter 19 Embryo 53 mm CRL (ca. 9th wk): HAN040389 -- Chapter 20 Embryo 54 mm CRL (ca. 9th wk): THE230494 -- Chapter 21 Embryo 54 mm CRL (ca. 11th wk): SIM280489 -- Chapter 22 Fetus 60 mm CRL (ca.

15th wk): URS250889 -- Chapter 23 Embryo 66 mm CRL (ca. 10th wk): GIS210789 -- Chapter 24 Embryo 68 mm CRL (ca. 10th wk): ART270694 -- Chapter 25 Embryo 76 mm CRL (ca. 11th wk): FUL140489 -- Chapter 26 Embryo 87 mm CRL (ca. 12th wk): DES200597 -- Chapter 27 Fetus 95 mm CRL (ca. 12 - 13th wk): FLO010689 -- Chapter 28 Fetus 100 mm CRL (ca. 13th wk): BEL170294 -- Chapter 29 Fetus 117 mm CRL (ca. 14thwk): HUL110589 -- Chapter 30 Fetus 118 mm CRL (ca. 14th wk): T55 -- Chapter 31 Fetus 150 mm CRL (ca. 18th wk): T26_050265 -- Chapter 32 Fetus 160 mm CRL (ca. 18th wk): PIT2_180294 -- Chapter 33 Fetus 190 mm CRL (ca. 20th wk): MIN101293 -- Chapter 34 Fetus 225 mm CRL (ca. 21st wk): AMA-2_160294 -- Chapter 35 Fetus 230 mm CRL (ca. 24st wk): ULF270592 -- Chapter 36 Fetus 250 mm CRL (ca. 26th wk): LUI010293 -- Chapter 37 Fetus 270 mm CRL (ca. 28th wk): DAG-7_020392 -- -- Section III. Conclusions -- Chapter 38 Prenatal Craniofacial Development: The Whole Picture -- Chapter 39 Discussion: Morphology as the Foundation -- Chapter 40 Outlook: From Serial Section Histology to μ CT-Imaging.

Sommario/riassunto

This comprehensive atlas captures the prenatal formation of the human head with precision and detail, helping the reader discover the intricate world of craniofacial development. It serves as both a rich visual reference and a foundation for further research on how molecular signaling shapes the unique features of the craniofacial structure. Authored by a leading researcher with more than four decades in prenatal morphogenesis, this atlas goes beyond existing texts by offering an in-depth look at embryonic head formation through high-quality histology and advanced 3D reconstructions. More than 400 meticulously curated, vivid color images include detailed illustrations and 3D models that trace each crucial stage in the development of the human head's anatomical structures. An invaluable resource for scientists, medical professionals, educators, and anyone studying human development, the Atlas of Human Prenatal Craniofacial Development provides insights that lay the groundwork for understanding not only human morphology but also the roots of congenital anomalies.
