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Autore	Oei Guid
Titolo	The Artificial Womb : Life Saving for Extreme Premature Babies / / by Guid Oei
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ISBN	9783031859052 3031859057
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (XXI, 127 p. 14 illus. in color.)
Collana	Copernicus Books, Sparking Curiosity and Explaining the World, , 2731-8990
Disciplina	618.1
Soggetti	Gynecology Reproductive health Pediatrics Nursing Reproductive Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	What is an artificial womb -- Why do people want to develop babies outside the female body -- Ethical considerations on ectogenesis -- The artificial womb in historic perspective -- The artificial uterus: growing the embryo -- The artificial amnion: protecting the fetus from the outside world -- The artificial placenta: feeding the immature infant -- The artificial womb: state of the art -- The artificial womb: problems to be solved -- The artificial womb: future perspectives.
Sommario/riassunto	This is the first book explaining the current development of an artificial womb which in future will be able to save lives of extremely premature infants. The author, Prof. Guid Oei, from a technical university with a clinical background in obstetrics and infertility, is the leader of an international consortium of researchers working on the development of an artificial placenta. This book covers the definition, history, and ethical considerations surrounding artificial wombs. The book also delves into the different components of the artificial uterus, including the artificial amnion and placenta. The last three chapters discuss the challenges that need to be addressed before this technology can

become a reality and its potential future applications. This book is an excellent resource for anyone who is interested in learning more about artificial wombs. It's written in clear, accessible language that is easy to understand, even if you don't have a background in science or medicine. So, whether you're a curious layperson or a scientist looking to stay up-to-date on the latest developments in the field, this book has something for you.
