

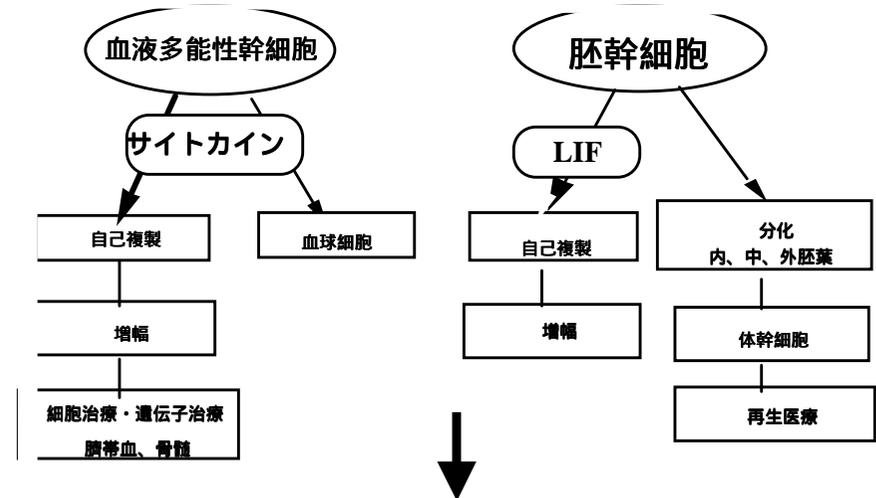
# ヒトの初期発生

EMBRYONIC DEVELOPMENT IN DAYS				EMBRYONIC DEVELOPMENT IN DAYS			
Day 1 FERTILIZATION	Day 2 TWO-CELL STAGE	Day 3 MORULA	Day 4 EARLY BLASTOCYST	Day 5 LATE BLASTOCYST	Days 6-7 EVENTS DURING FIRST WEEK	DEVELOPMENT WEEK 1	
Day 8	Day 9 TROPHOBLAST WITH LACUNAE FORMING	Days 10-11 EMBRYO IN UTERUS 10-11 DAYS AFTER OVULATION	Day 12	Day 13 UTEROPHAGICAL CIRCULATION BEGINS	Day 14 EMBRYONIC DISC BEGINS FORMING	DEVELOPMENT WEEK 2	
Day 15 DORSAL ASPECT OF EMBRYO	Day 16 TRLAMINAR GERM DISC	Day 17 MESODERM NEURULATION	Day 18 CUT EDGE OF AMNION	Day 19 FORMATION CHG	Day 20 APPEARANCE OF SOMITES	Day 21 TRANSVERSE SECTION THROUGH SOMITE REGION	DEVELOPMENT WEEK 3
Day 22	Day 23	Days 24-25 VILLOSITY FORMATION	Day 26 INVAGINATED ARCHES	Day 27	Day 28	DEVELOPMENT WEEK 4	
Day 29 ANNEALED BLOOD	Day 30 DEVELOPING FACE	Day 31	Day 32 EMBRYO IN CHORIONIC CAVITY	Day 33	Day 34 DEVELOPING LIMB BUDS	Day 35 INVAGINATED ARCHES (NECROTIC)	DEVELOPMENT WEEK 5
Day 36 PHYSIOLOGICAL UMBILICAL FISTULA	Day 37 DEVELOPING FACE	Day 38	Day 39 ECTODERMAL DERIVATIVES	Day 40 EMBRYO IN UTERO	Day 41 Chorionic villi	Day 42	DEVELOPMENT WEEK 6
Day 43	Day 44 DEVELOPING FACE	Day 45	Day 46	Day 47	Day 48	Day 49 FETAL MEMBRANES IN CHORIONIC CAVITY	DEVELOPMENT WEEK 7

# 臍帯血・細胞バンク



# 幹細胞複製・再生医療



## 課題

幹細胞の忠実な複製と分化抑制  
 幹細胞の分化方向の制御  
 特定の幹細胞の除去

## 関連技術

幹細胞の個体での局在の制御  
 幹細胞での相同組換え法の開発  
 幹細胞(群)からの組織・器官形成

幹細胞と知的財産  
 幹細胞操作技術と特許  
 細胞・試薬のownership  
 細胞治療と特許  
 細胞バンクと細胞提供  
 安全性 倫理