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MeSH Heading Cytapheresis Tree Number(s) E02.095.160 E02.120.285 E05.200.500.363.171 E05.242.363.171 Unique IDD016238 RDF Unique Identifier Scope NoteSeparation of one or more kinds of cells from whole blood with the return of other blood cell constituents to the patient or donor. This is accomplished with an instrument that uses centrifugation to separate the cells into different layers based on the differences in cell density (displacement) or drag coefficients in a current (elutriation). The procedure is commonly used in adoptive transfer to isolate NK cells, lymphocytes, or monocytes. Previous Indexing Blood Component Removal (1986-1990) Cell Separation (1978-1990) See Also Adoptive Transfer Immunotherapy, Adoptive Public MeSH Note91 History Note91 Date Established 1991/01/01 Date of Entry 1990/06/06 Revision Date 2015/06/23 Cytapheresis Preferred Concept UIM0024801 Scope NoteSeparation of one or more kinds of cells from whole blood with the return of other blood cell constituents to the patient or donor. This is accomplished with an instrument that uses centrifugation to separate the cells into different layers based on the differences in cell density (displacement) or drag coefficients in a current (elutriation). The procedure is commonly used in adoptive transfer to isolate NK cells, lymphocytes, or monocytes. Terms Cytapheresis Preferred Term Term UI T048355 Date01/01/1999 LexicalTag NON ThesaurusID NLM (1991) , the free encyclopedia that anyone can edit. 117,937 active editors 7,001,134 articles in English The English-language Wikipedia thanks its contributors for creating more than seven million articles! Learn how you can take part in the encyclopedia's continued improvement. GL Mk. II transmitter van Radar, Gun Laying, Mark I, or GL Mk. I for short, was an early World War II radar system developed by the British Army to provide information for anti-aircraft artillery. There were two upgrades, GL/EF (elevation finder) and GL Mk. II (pictured), both improving the ability to determine a target's bearing and elevation. GL refers to the radar's ability to direct the guns onto a target, known as gun laying. The first GL sets were developed in 1936 using separate transmitters and receivers mounted on gun carriages. Several were captured in 1940, leading the Germans to believe falsely that British radar was much less advanced than theirs. The GL/EF attachment provided bearing and elevation measurements accurate to about a degree; this caused the number of rounds needed to destroy an aircraft to fall to 4,100, a tenfold improvement over early-war results. The Mk. II, which was able to directly guide the guns, lowered the rounds-per-kill to 2,750. About 410 Mk. Is and 1,679 Mk. IIs were produced. (Full article...) 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Archive Start a new article Nominate an article Ngugi wa Thiong'o Kenyan writer and activist Ngugi wa Thiong'o (pictured) dies at the age of 87. In sumo, Ōnosato Daiki is promoted to yokozuna. In association football, Liverpool win the Premier League title. In motor racing, Alex Palou wins the Indianapolis 500. Ongoing: Gaza war M23 campaign Russian invasion of Ukraine timeline Sudanese civil war timeline Recent deaths: Phil Robertson Mary K. Gaillard Peter David Alan Yentob Gerry Connolly Sebastião Salgado Nominate an article May 30: Statehood Day in Croatia (1990) Johann Sebastian Bach 1431 - Hundred Years' War: After being convicted of heresy, Joan of Arc was burned at the stake in Rouen, France. 1723 - Johann Sebastian Bach (pictured) assumed the office of Thomaskantor in Leipzig, presenting the cantata Die Elenden sollen essen in St. Nicholas Church. 1922 - The Lincoln Memorial in Washington, D.C., featuring a sculpture of the sixteenth U.S. president Abraham Lincoln by Daniel Chester French, opened. 1963 - Buddhist crisis: A protest against pro-Catholic discrimination was held outside the National Assembly of South Vietnam in Saigon, the first open demonstration against President Ngô Đình Diệm. 2008 - The Convention on Cluster Munitions, prohibiting the use, transfer, and stockpiling of cluster bombs, was adopted. Ma Xifan (d. 947)Colin Blythe (b. 1879)Norris Bradbury (b. 1909)Wynonna Judd (b. 1964) More anniversaries: May 29 May 30 May 31 Archive By email List of days of the year About Seventeen performing "Oh My!" in 2018 South Korean boy band Seventeen made their debut on May 26, 2015, when they performed a showcase for their debut EP 17 Carat in front of a crowd of 1,000 people. Since then, the group have held 9 concert tours, 13 fan meetings, and have performed at a number of music festivals and awards shows. Their concert tours include the Right Here World Tour, which sold over one million tickets, and the Follow Tour, which was noted by Billboard as being the top grossing K-pop tour of 2023. In 2024, Seventeen made their first appearances at festivals in Europe, when they were the first South Korean act to perform at Glastonbury Festival's Pyramid Stage and as headliners for Lollapalooza Berlin. Seventeen's live performances are well regarded by fans and critics alike, and garnered them the award for Top K-pop Touring Artist at the 2024 Billboard Music Awards. (Full list...) Recently featured: Accolades received by Top Gun: Maverick National preserve 76th Primetime Emmy Awards Archive More featured lists Ignace Tonené (1840 or 1841 – 15 March 1916), also known as Nias or by his Ojibwe name Maiaigizis ('right/correct sun'), was a Teme-Augama Anishnabai chief, fur trader, and gold prospector in Upper Canada. He was a prominent employee of the Hudson's Bay Company. Tonené was the elected deputy chief before being the lead chief and later the life chief of his community. In his role as deputy, he negotiated with the Canadian federal government and the Ontario provincial government, advocating for his community to receive annual financial support from both. His attempts to secure land reserves for his community were thwarted by the Ontario premier Oliver Mowat. Tonené's prospecting triggered a 1906 gold rush and the creation of Kerr Addison Mines Ltd., although one of his claims was stolen from him by white Canadian prospectors. This photograph shows Tonené in 1909. Photograph credit: William John Winter; restored by Adam Cuerden Recently featured: Australian white ibis Hell Gate Bridge Anemonoides blanda Archive More featured pictures Community portal – The central hub for editors, with resources, links, tasks, and announcements. Village pump – Forum for discussions about Wikipedia itself, including policies and technical issues. Site news – Sources of news about Wikipedia and the broader Wikimedia movement. Teahouse – Ask basic questions about using or editing Wikipedia. Help desk – Ask questions about using or editing Wikipedia. Reference desk – Ask research questions about encyclopedic topics. Content portals – A unique way to navigate the encyclopedia. Wikipedia is written by volunteer editors and hosted by the Wikimedia Foundation, a non-profit organization that also hosts a range of other volunteer projects: CommonsFree media repository MediaWikiWiki software development Meta-WikiWikimedia project coordination WikibooksFree textbooks and manuals WikidataFree knowledge base WikinewsFree-content news WikiquoteCollection of quotations WikisourceFree-content library WikispeciesDirectory of species WikiversityFree learning tools WikivoyageFree travel guide WiktionaryDictionary and thesaurus This Wikipedia is written in English. Many other Wikipedias are available; some of the largest are listed below. 1,000,000+ articles العربية Deutsch Español فارسي Français Italiano Nederlands 日本語 Polski Português Русский Svenska Українська Tiếng Việt 中文 250,000+ articles Bahasa Indonesia Bahasa Melayu Bân-lâm-gú Български Català Čeština Dansk Eesti Ελληνικά Esperanto Euskara עברית Հայերեն Magyar Norsk bokmål Română Simple English Slovenčina Srpski Srpskohrvatski Suomi Türkçe Oʻzbekcha 50,000+ articles Asturianu Azərbaycanca 日本語 Bosanski كوردی Frysk Gaeilge Galego Hrvatski ӡӧӡӧӡӧӡӧo Kurdi Latviešu Lietuvia Македонски Македонски Norsk nynorsk Shqip Slovenščina 中文 Retrieved from " 2EP by Seventeen 17 CaratEP by SeventeenReleasedMay 29, 2015 (2015-05-29)GenreK-popdance-pophip hopLength16:48LanguageKoreanLabelPledis EntertainmentLOE EntertainmentSeventeen chronology 17 Carat(2015) Boys Be(2015) Singles from 17 Carat "Adore U"Released: May 29, 2015 17 Carat is the debut extended play (EP) by South Korean boy group Seventeen. It was released on May 29, 2015, by Pledis Entertainment and distributed by LOEN Entertainment. "Adore U" serves as the lead single for the EP. 17 Carat features five tracks written, co-written, and co-produced by Seventeen's group members. "Adore U" was chosen as the lead single for the EP and was performed on multiple music shows by the group. "Shining Diamond" was used as a pre-single on the group's reality debut show. The group stated that the tracklist was chosen to reflect Seventeen's core concept of "boys' passion".[1] The album has two physical versions: one with a "black" themed photo card set, and the other with a "white" themed photo card set. All copies include a CD containing the songs and a fold-up poster/lyric sheet. "Adore U" is the lead single of the extended play. It was written by Woozi, S.Coups, and Yeon Dong-geon.[2] The Korea Herald states "Adore U" is a funky pop song about a teenage boy trying to navigate through puppy love. "[3] It marks the beginning of the group's trilogy composed of the singles Adore U, Manseae, and Pretty U about a boy meeting, falling in love and asking out a girl. The track was composed and arranged by Woozi, Bumzu, and Yeon Dong-geon. The music video for the single was released on May 29, 2015, and was directed by Dee Shin. The dance choreography accompaniment to the song was choreographed by Hoshi and focuses on "storytelling, and on highlighting each member's strengths onstage".[4] The single has sold more than 38,000 digital copies and peaked at number 13 on the Billboard US World Chart. The EP has sold over 82,972 copies in South Korea.[5] It peaked at number 4 on the Korean Gaon Album Chart,[6] and number 8 on the US World Billboard Chart.[7] Year-end lists Critic/publication List Rank Ref. Billboard The 10 Best K-pop Album of 2015 Placed [8] Hoshi participated in the choreography of "Adore U" and "Shining Diamond". Dino choreographed "Jam Jam".[9] Official track list[10]No.TitleLyricsMusicArrangementsLength1."Shining Diamond"WooziVernonS.CoupsKim Min-jeongWooziMasterKeyRishiMasterKeyRishi3:242.""Adore U"" (; Akkinda)WooziVernonS.CoupsBumzuWooziBumzuYeon Dong-geonWooziBumzuYeon Dong-geon3:073."Ah Yeah" (Hip-Hop unit)S.CoupsVernonWonwooMingyuCream DoughnutRishiCream DoughnutRishi3:294."Jam Jam" (Performance unit + Vernon)WooziHoshiDinoVernonWooziCream DoughnutCream Doughnut3:255."20" (Vocal unit)WooziWooziWon Yeong-heonDong Ne-hyeong3:23 Weekly chart performance for 17 Carat Chart (2015-2023) Peakposition Japanese Albums (Oricon)[11] 46 South Korean Albums (Gaon)[12] 4 US World Albums (Billboard)[13] 8 Year-end chart performance for 17 Carat Chart (2015) Peakposition South Korean Albums (Gaon)[14] 47 ^ "Seventeen hopes to shine like diamonds with '17 Carat'". The Korea Herald. 26 May 2015. Retrieved 30 November 2016. ^ "Adore U". Color Coded Lyrics. 29 May 2015. 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View (previous 50 | next 50) (20 | 50 | 100 | 250 | 500)Main Page (links | edit) Pledis Entertainment discography (links | edit) List of 2015 albums (links | edit) 2015 in South Korean music (links | edit) Seventeen (South Korean band) (links | edit) S.Coups (links | edit) Vernon (rapper) (links | edit) Wonwoo (links | edit) List of awards and nominations received by Seventeen (links | edit) Seventeen discography (links | edit) Love & Letter (links | edit) Joshua (singer) (links | edit) Seventeen TV (links | edit) 17 carat (redirect page) (links | edit) Going Seventeen (links | edit) List of Seventeen live performances (links | edit) Teen, Age (links | edit) All (links | edit) Bumzu (links | edit) Boys Be (EP) (links | edit) You Make My Day (links | edit) You Made My Dawn (links | edit) Jun (Chinese entertainer) (links | edit) List of Stray Kids live performances (links | edit) The8 (links | edit) An Ode (links | edit) Seungkwan (links | edit) Fallin' Flower (links | edit) Heng-garæ (links | edit) Semicolon (EP) (links | edit) Your Choice (links | edit) Going Seventeen (web series) (links | edit) Not Alone (Seventeen song) (links | edit) Attacca (EP) (links | edit) Rock with You (Seventeen song) (links | edit) Woozi (links | edit) Hoshi (South Korean singer) (links | edit) Don't Wanna Cry (Seventeen song) (links | edit) Darl+ing (links | edit) Face the Sun (links | edit) Left & Right (Seventeen song) (links | edit) 24H (EP) (links | edit) We Make You (links | edit) Hot (Seventeen song) (links | edit) Dream (Seventeen EP) (links | edit) BSS (band) (links | edit) FML (EP) (links | edit) Super (Seventeen song) (links | edit) Always Yours (album) (links | edit) Seventeenth Heaven (links | edit) View (previous 50 | next 50) (20 | 50 | 100 | 250 | 500) Retrieved from " WhatLinksHere/17. 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No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. Apheresis is a procedure that enables healthcare providers to obtain or remove red blood cells, white blood cells, platelets and plasma for medical treatment. It's also known as pheresis or hemapheresis.In apheresis, a centrifuge machine draws blood from your body and spins the blood to separate its elements. The machine sets aside certain elements and returns the remaining blood cells, platelets and plasma to your body.There are two reasons why you may participate in apheresis: You're donating blood elements, like red blood cells, for someone else to use, or you're receiving treatment for a medical condition. For example, providers may use apheresis to remove abnormal blood elements. Different apheresis types include:Leukapheresis: Providers do this treatment to remove white blood cells from your blood. The treatment eases symptoms that happen if your white blood cells are multiplying uncontrollably.Peripheral blood stem cell collection: In this case, providers use apheresis to obtain immature stem cells for stem cell transplant.Photopheresis: Healthcare providers treat several conditions with photopheresis. This procedure changes your lymphocytes so they can do more to fight intruders like cancerous cells and foreign viruses and bacteria. During photopheresis, a centrifuge machine removes lymphocytes and treats them with UVA light before they're returned to you.Plasmaphoresis (plasma exchange): Providers use plasmapheresis to treat several serious medical conditions through a process called plasma exchange.Platelet depletion: Platelets help your blood to form clots. High platelet counts may cause complications like clotting or bleeding. If you have excess platelets, providers will do platelet depletion to remove platelets before returning blood to you.Red blood cell exchange transfusion: Healthcare providers use apheresis to remove unhealthy red blood cells and replace them with healthy donated red blood cells.What diseases does it treat?Apheresis plays a big role in how healthcare providers treat a wide range of conditions. For example, people going through intense chemotherapy for cancer may have apheresis to preserve healthy stem cells that they'll receive after recovering from treatment. Healthcare providers typically use apheresis to treat blood cancers, blood disorders and some neurological disorders.Blood cancersHealthcare providers may use apheresis to treat:Acute myeloid leukemia.Certain types of lymphoma, including cutaneous T-cell lymphoma.Multiple myeloma.Waldenström macroglobulinemia.Blood disordersApheresis is a treatment for many common blood disorders, including:Sickle cell anemia.Cryoglobulinemia.Thrombotic thrombocytopenic purpura.Neurologic disordersHealthcare providers may use plasma exchange to treat:Guillain-Barré syndrom.Multiple sclerosis.Myasthenia-gravis.In addition, apheresis may be a treatment for graft vs. host disease or organ transplant rejection. Reddit and its partners use cookies and similar technologies to provide you with a better experience. 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