

"Telomere & Hematological System" Articles Searching from NCBI Data Base

Hematological System Include: Leukemia, Bone Marrow Failure, Sepsis

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Telomere & Leukemia

No.	Title	First Author	Journal/Book/Psge	Publication Year	Create Date	PMID	High Relevance
1	Association of Telomere Length With Risk of Disease and Mortality	Schneider CV	JAMA Intern Med. 2022 Jan 18.	2022	2022/1/18	35040871	
2	Investigation of conformational dynamics of Tyr89Cys mutation in protection of telomeres 1 gene associated with familial melanoma	Amir M	J Biomol Struct Dyn. 2021 Jan;39(1):35-44.	2021	2019/12/19	31847782	
3	Unbalanced translocation der(5;17) resulting in a TP53 loss as recurrent aberration in myelodysplastic syndrome and acute myeloid leukemia with complex karyotype	Warnstorf D	Genes Chromosomes Cancer. 2021 Jun;60(6):452-457.	2021	2021/1/24	33486841	
4	Telomere Dysfunction in Chronic Lymphocytic Leukemia	Jebaraj BMC	Front Oncol. 2021 Jan 15;10:612665.	2021	2021/2/1	33520723	*
5	G-quadruplexes: a promising target for cancer therapy	Kosiol N	Mol Cancer. 2021 Feb 25;20(1):40.	2021	2021/2/26	33632214	
6	A Role for Human DNA Polymerase λ in Alternative Lengthening of Telomeres	Mentegari E	Int J Mol Sci. 2021 Feb 27;22(5):2365.	2021	2021/3/6	33673424	
7	Nuclear envelope tethering inhibits the formation of ALT-associated PML bodies in ALT cells	Yang CW	Aging (Albany NY). 2021 Apr 4;13(7):10490-10516.	2021	2021/4/6	33820871	
8	Genome-wide specificity of prime editors in plants	Jin S	Nat Biotechnol. 2021 Oct;39(10):1292-1299.	2021	2021/4/16	33859403	
9	Control of DUX4 Expression in Facioscapulohumeral Muscular Dystrophy and Cancer	Karpukhina A	Trends Mol Med. 2021 Jun;27(6):588-601.	2021	2021/4/17	33863674	

10	Chemical Dimerization-Induced Protein Condensates on Telomeres	Zhao R	J Vis Exp. 2021 Apr 12;(170):10.3791/62173.	2021	2021/4/26	33900288	
11	Evaluation of 17 genetic variants in association with leukemia in the north Indian population using MassARRAY Sequenom	Bhat A	J Biochem Mol Toxicol. 2021 Jul;35(7):e22792.	2021	2021/4/30	33928715	
12	Cancer-associated POT1 mutations lead to telomere elongation without induction of a DNA damage response	Kim WT	EMBO J. 2021 Jun 15;40(12):e107346.	2021	2021/5/2	33934394	
13	Ginsenoside Rg1 induces senescence of leukemic stem cells by upregulating p16INK4a and downregulating hTERT expression	Tang YL	Adv Clin Exp Med. 2021 Jun;30(6):599-605.	2021	2021/5/21	34018348	
14	Analysis of human chromosomes by imaging flow cytometry	Stanley J	Cytometry B Clin Cytom. 2021 Sep;100(5):541-553.	2021	2021/5/25	34033226	
15	Chromosomal Instability in Acute Myeloid Leukemia	de Oliveira Lisboa M	Cancers (Basel). 2021 May 28;13(11):2655.	2021	2021/6/2	34071283	*
16	Oncostatin M Maintains Naïve Pluripotency of mESCs by Tetraploid Embryo Complementation (TEC) Assay	Ye X	Front Cell Dev Biol. 2021 May 26;9:675411.	2021	2021/6/14	34124061	
17	Understanding and Monitoring Chronic Myeloid Leukemia Blast Crisis: How to Better Manage Patients	Wang L	Cancer Manag Res. 2021 Jun 23;13:4987-5000.	2021	2021/6/30	34188552	
18	High-Throughput Human Telomere Length Analysis at the Single-Chromosome Level by FISH Coupled with Nano-Flow Cytometry	Gao K	Anal Chem. 2021 Jul 13;93(27):9531-9540.	2021	2021/7/1	34197088	*
19	Targeting Telomere Biology in Acute Lymphoblastic Leukemia	Karow A	Int J Mol Sci. 2021 Jun 22;22(13):6653.	2021	2021/7/2	34206297	
20	Growing and aging of hematopoietic stem cells	Udroiu I	World J Stem Cells. 2021 Jun 26;13(6):594-604.	2021	2021/7/12	34249229	
21	Evaluation of pretreatment telomere length as a prognostic marker in intermediate-risk acute myeloid leukemia	Gu R	Int J Lab Hematol. 2021 Dec;43(6):1510-1515.	2021	2021/7/21	34288423	*
22	TRIM28 inhibits alternative lengthening of telomere phenotypes by protecting SETDB1 from degradation	Wang C	Cell Biosci. 2021 Jul 30;11(1):149.	2021	2021/7/31	34330324	
23	Somatic reversion impacts myelodysplastic syndromes and acute myeloid leukemia evolution in the short telomere disorders	Schratz KE	J Clin Invest. 2021 Sep 15;131(18):e147598.	2021	2021/8/3	34343137	*
24	[The Effect and Mechanism of Novel Telomerase Inhibitor Nilo 22 on Leukemia Cells]	Yin JJ	Zhongguo Shi Yan Xue Ye Xue Za Zhi. 2021 Aug;29(4):1056-1064.	2021	2021/8/7	34362482	

25	Mechanism of Human Telomerase Reverse Transcriptase (hTERT) Regulation and Clinical Impacts in Leukemia	Yik MY	Genes (Basel). 2021 Jul 30;12(8):1188.	2021	2021/8/27	34440361	
26	Expression of telomerase reverse transcriptase in peripheral T-cell lymphoma	Arakawa F	Cancer Med. 2021 Oct;10(19):6786-6794.	2021	2021/9/3	34477310	
27	Integrated evaluation of telomerase activation and telomere maintenance across cancer cell lines	Hu K	Elife. 2021 Sep 6;10:e66198.	2021	2021/9/6	34486523	
28	Mutational profile and relative telomere length in Chronic Myelomonocytic Leukemia subgroups according to the 2016 World Health Organization classification	Martinez-Verbo L	Leuk Res. 2021 Dec;111:106726.	2021	2021/10/21	34673443	*
29	Mesenchymal Stem Cells cause Telomere Length Reduction of Molt-4 Cells via Caspase-3, BAD and P53 Apoptotic Pathway	Heidari HR	Int J Mol Cell Med. 2021 Spring;10(2):113-122.	2021	2021/10/27	34703795	
30	The telomere complex and the origin of the cancer stem cell	Torres-Montaner A	Biomark Res. 2021 Nov 4;9(1):81.	2021	2021/11/5	34736527	
31	Germline POT1 Deregulation Can Predispose to Myeloid Malignancies in Childhood	Michler P	Int J Mol Sci. 2021 Oct 26;22(21):11572.	2021	2021/11/13	34769003	
32	Influence of Telomere Length on the Achievement of Deep Molecular Response With Imatinib in Chronic Myeloid Leukemia Patients	Estrada N	Hemasphere. 2021 Nov 30;5(12):e657.	2021	2021/12/2	34853825	*
33	Identifying functions and prognostic biomarkers of network motifs marked by diverse chromatin states in human cell lines	Wang L	Oncogene. 2020 Jan;39(3):677-689.	2020	2019/9/21	31537905	
34	Human telomerase reverse transcriptase depletion potentiates the growth-inhibitory activity of imatinib in chronic myeloid leukemia stem cells	Grandjett C	Cancer Lett. 2020 Jan 28;469:468-480.	2020	2019/11/18	31734352	
35	Idiopathic Aplastic Anemia in Children and Adults: Diagnosis, Treatments, and Management - A Review	Alqahtany FS	Curr Pharm Biotechnol. 2020;21(13):1282-1288.	2020	2019/12/11	31820683	
36	STAT5: From Pathogenesis Mechanism to Therapeutic Approach in Acute Leukemia	Shahjahani M	Lab Med. 2020 Jul 8;51(4):345-351.	2020	2019/12/21	31860086	
37	ATR1 affects the repair of telomeric DSBs by promoting cohesion and a DAXX-dependent activity	Lovejoy CA	PLoS Biol. 2020 Jan 2;18(1):e3000594.	2020	2020/1/3	31895940	
38	TRF1 averts chromatin remodelling, recombination and replication dependent-break induced replication at mouse telomeres	Porreca RM	Elife. 2020 Jan 14;9:e49817.	2020	2020/1/15	31934863	
39	Cancer spectrum and outcomes in the Mendelian short telomere syndromes	Schraatz KE	Blood. 2020 May 28;135(22):1946-1956.	2020	2020/2/21	32076714	*

40	Development of Automated Microscopy-Assisted High-Content Multiparametric Assays for Cell Cycle Staging and Foci Quantitation	Frölich S	Cytometry A. 2020 Apr;97(4):378-393.	2020	2020/2/22	32083400	
41	Cancer and myeloid clonal evolution in the short telomere syndromes	Schratz KE	Curr Opin Genet Dev. 2020 Feb;60:112-118.	2020	2020/4/11	32276199	
42	Germline mutation of MDM4, a major p53 regulator, in a familial syndrome of defective telomere maintenance	Toufektchan E	Sci Adv. 2020 Apr 10;6(15):eaay3511.	2020	2020/4/18	32300648	
43	"Mitotic Slippage" and Extranuclear DNA in Cancer Chemoresistance: A Focus on Telomeres	Salmina K	Int J Mol Sci. 2020 Apr 16;21(8):2779.	2020	2020/4/23	32316332	
44	ORCA/LRWD1 Regulates Homologous Recombination at ALT-Telomeres by Modulating Heterochromatin Organization	Hsu RYC	iScience. 2020 May 22;23(5):101038.	2020	2020/4/29	32344376	
45	Interleukin-6, -8, and TGF-β Secreted from Mesenchymal Stem Cells Show Functional Role in Reduction of Telomerase Activity of Leukemia Cell Via Wnt5a/β-Catenin	Fathi E	Adv Pharm Bull. 2020 Jun;10(2):307-314.	2020	2020/5/7	32373501	
46	Frequent Mutations of POT1 Distinguish Pulmonary Sarcomatoid Carcinoma From Other Lung Cancer Histologies	Shen E	Clin Lung Cancer. 2020 Nov;21(6):e523-e527.	2020	2020/5/17	32414627	
47	Interaction effects of environmental response gene polymorphisms and benzene exposure on telomere length in shoe-making workers	Ren JC	Chemosphere. 2020 Sep;255:126841.	2020	2020/5/17	32416388	
48	Secondary myelodysplastic syndrome and leukemia in acquired aplastic anemia and paroxysmal nocturnal hemoglobinuria	Sun L	Blood. 2020 Jul 2;136(1):36-49.	2020	2020/5/21	32430502	
49	A small molecule compound IX inhibits telomere and attenuates oncogenesis of drug-resistant leukemia cells	Li Y	FASEB J. 2020 Jul;34(7):8843-8857.	2020	2020/5/21	32433826	
50	Hereditary Predisposition to Hematopoietic Neoplasms: When Bloodline Matters for Blood Cancers	Mangaonkar AA	Mayo Clin Proc. 2020 Jul;95(7):1482-1498.	2020	2020/6/24	32571604	
51	Nuclear body phase separation drives telomere clustering in ALT cancer cells	Zhang H	Mol Biol Cell. 2020 Aug 15;31(18):2048-2056.	2020	2020/6/25	32579423	
52	Environmental Pollution, Oxidative Stress and Thioretinaco Ozonide: Effects of Glyphosate, Fluoride and Electromagnetic Fields on Mitochondrial Dysfunction in	McCully KS	Ann Clin Lab Sci. 2020 May;50(3):408-411.	2020	2020/6/26	32581036	
53	Nonsense Suppression Therapy: New Hypothesis for the Treatment of Inherited Bone Marrow Failure Syndromes	Bezzerra V	Int J Mol Sci. 2020 Jun 30;21(13):4672.	2020	2020/7/8	32630050	*
54	MLPA and DNA index improve the molecular diagnosis of childhood B-cell acute lymphoblastic leukemia	Yu CH	Sci Rep. 2020 Jul 13;10(1):11501.	2020	2020/7/15	32661308	

55	Clonal hematopoiesis in the inherited bone marrow failure syndromes	Tsai FD	Blood. 2020 Oct 1;136(14):1615-1622.	2020	2020/8/1	32736377	
56	Differential Regulation of Telomeric Complex by BCR-ABL1 Kinase in Human Cellular Models of Chronic Myeloid Leukemia-From Single Cell Analysis to Next-Generation	Deregowska A	Genes (Basel). 2020 Sep 29;11(10):1145.	2020	2020/10/2	33003326	*
57	Short Dysfunctional Telomere Is Highly Predictive of Dismal Outcome in MDS but Not in AML Patients	Menshawy NE	Int J Hematol Oncol Stem Cell Res. 2020 Jul 1;14(3):188-199.	2020	2020/10/7	33024526	*
58	Telomere biology disorder prevalence and phenotypes in adults with familial hematologic and/or pulmonary presentations	Feurstein S	Blood Adv. 2020 Oct 13;4(19):4873-4886.	2020	2020/10/9	33035329	
59	PML nuclear bodies and chromatin dynamics: catch me if you can!	Corpet A	Nucleic Acids Res. 2020 Dec 2;48(21):11890-11912.	2020	2020/10/17	33068409	
60	Jumping Translocation in a Patient with Acute Leukemia and Fatal Evolution	Sánchez Prieto I	Case Rep Oncol. 2020 Sep 1;13(2):1026-1030.	2020	2020/10/21	33082743	
61	Assessing the Relationship Between Leukocyte Telomere Length and Cancer Risk/Mortality in UK Biobank and TCGA Datasets With the Genetic Risk Score and Mendelian	Gao Y	Front Genet. 2020 Oct 23;11:583106.	2020	2020/11/16	33193711	*
62	Detailed molecular cytogenetic characterisation of the myeloid cell line U937 reveals the fate of homologous chromosomes and shows that centromere capture is a	MacKinnon RN	Mol Cytogenet. 2020 Dec 14;13(1):50.	2020	2020/12/15	33317567	
63	The uracil-DNA glycosylase UNG protects the fitness of normal and cancer B cells expressing AID	Safavi S	NAR Cancer. 2020 Aug 27;2(3):zca019.	2020	2021/2/8	33554121	
64	Additional benefits of telomere length (TL) measurements in chronic lymphocytic leukemia	Kaifia A	Leuk Lymphoma. 2019 Feb;60(2):541-543.	2019	2018/7/4	29966475	*
65	Molecular pathogenesis of acquired aplastic anemia	Boddu PC	Eur J Haematol. 2019 Feb;102(2):103-110.	2019	2018/11/1	30380171	
66	Peering through zebrafish to understand inherited bone marrow failure syndromes	Oyarbide U	Haematologica. 2019 Jan;104(1):13-24.	2019	2018/12/22	30573510	
67	An integrated transcriptome analysis in T-cell acute lymphoblastic leukemia links DNA methylation subgroups to dysregulated TAL1 and ANTP homeobox gene	Haider Z	Cancer Med. 2019 Jan;8(1):311-324.	2019	2018/12/22	30575306	
68	Jumping translocations: Short telomeres or pathogenic TP53 variants as underlying mechanism in acute myeloid leukemia and myelodysplastic syndrome?	Behrens YL	Genes Chromosomes Cancer. 2019 Mar;58(3):139-148.	2019	2019/1/8	30614587	*
69	Telomere dynamics in adult hematological malignancies	Olbertova H	Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub. 2019 Feb;163(1):1-7.	2019	2019/1/12	30631211	*

70	Genomic instability in a chronic lymphocytic leukemia patient with mono-allelic deletion of the DLEU and RB1 genes	Nava-Rodríguez MP	Mol Cytogenet. 2019 Jan 31;12:2.	2019	2019/2/9	30733830	
71	Synthetic lethality of cytolytic HSV-1 in cancer cells with ATRX and PML deficiency	Han M	J Cell Sci. 2019 Mar 14;132(5):jcs222349.	2019	2019/2/13	30745338	
72	2D gel electrophoresis reveals dynamics of t-loop formation during the cell cycle and t-loop in maintenance regulated by heterochromatin state	Zhang Z	J Biol Chem. 2019 Apr 19;294(16):6645-6656.	2019	2019/3/2	30819801	
73	PML modulates H3.3 targeting to telomeric and centromeric repeats in mouse fibroblasts	Spirkoski J	Biochem Biophys Res Commun. 2019 Apr 16;511(4):882-888.	2019	2019/3/10	30850162	
74	Short telomeres are associated with inferior outcome, genomic complexity, and clonal evolution in chronic lymphocytic leukemia	Jebaraj BMC	Leukemia. 2019 Sep;33(9):2183-2194.	2019	2019/3/27	30911113	*
75	3D Telomere Structure Analysis to Detect Genomic Instability and Cytogenetic Evolution in Myelodysplastic Syndromes	Rangel-Pozzo A	Cells. 2019 Apr 2;8(4):304.	2019	2019/4/17	30987070	
76	Tumor infiltrating lymphocytes from acute myeloid leukemia marrow can be reverted to CD45RA+ central memory state by reactivation in SIP (Simulated Infective Association of newly identified genetic variant rs2853677 of TERT with non-small cell lung cancer and leukemia in population of Jammu and Kashmir, India)	Teo YWB	Immunobiology. 2019 Jul;224(4):526-531.	2019	2019/5/11	31072628	*
77	Association of newly identified genetic variant rs2853677 of TERT with non-small cell lung cancer and leukemia in population of Jammu and Kashmir, India	Bhat GR	BMC Cancer. 2019 May 24;19(1):493.	2019	2019/5/26	31126249	
78	Clustered telomeres in phase-separated nuclear condensates engage mitotic DNA synthesis through BLM and RAD52	Min J	Genes Dev. 2019 Jul 1;33(13-14):814-827.	2019	2019/6/8	31171703	
79	Telomere Maintenance-Associated PML Is a Potential Specific Therapeutic Target of Human Colorectal Cancer	Gong P	Transl Oncol. 2019 Sep;12(9):1164-1176.	2019	2019/6/18	31207547	
80	Variability within the human TERT gene, telomere length and predisposition to chronic lymphocytic leukemia	Wysoczanska B	Onco Targets Ther. 2019 May 31;12:4309-4320.	2019	2019/6/27	31239704	*
81	[Cancer predisposition in inherited bone marrow failure syndromes and primary immunodeficiency diseases]	Ishimura M	Rinsho Ketsueki. 2019;60(6):702-707.	2019	2019/7/9	31281163	
82	Pathogenesis of aplastic anemia	Wang L	Hematology. 2019 Dec;24(1):559-566.	2019	2019/7/19	31315542	
83	Telomere length and its correlation with gene mutations in chronic lymphocytic leukemia in a Korean population	Song DY	PLoS One. 2019 Jul 23;14(7):e0220177.	2019	2019/7/24	31335885	*
84	Long telomeres and cancer risk: the price of cellular immortality	McNally EJ	J Clin Invest. 2019 Aug 5;129(9):3474-3481.	2019	2019/8/6	31380804	

85	Genetic overlap between autoimmune diseases and non-Hodgkin lymphoma subtypes	Din L	Genet Epidemiol. 2019 Oct;43(7):844-863.	2019	2019/8/14	31407831	
86	Cancers after Chernobyl: From Epidemiology to Molecular Quantification	Bazyka D	Cancers (Basel). 2019 Sep 2;11(9):1291.	2019	2019/9/5	31480731	
87	Buccal cell telomere length is not a useful marker for comorbidities in chronic lymphocytic leukemia	Yang L	Leuk Res. 2019 Nov;86:106220.	2019	2019/9/10	31499418	*
88	Functional Loss of ATRX and TERC Activates Alternative Lengthening of Telomeres (ALT) in LAPC4 Prostate Cancer Cells	Graham MK	Mol Cancer Res. 2019 Dec;17(12):2480-2491.	2019	2019/10/16	31611308	
89	POT1-TPP1 differentially regulates telomerase via POT1 His266 and as a function of single-stranded telomere DNA length	Xu M	Proc Natl Acad Sci U S A. 2019 Nov 19;116(47):23527-23533.	2019	2019/11/6	31685617	
90	The functional roles of PML nuclear bodies in genome maintenance	Chang HR	Mutat Res. 2018 May;809:99-107.	2018	2017/5/20	28521962	
91	Thiopurine-induced mitotic catastrophe in Rad51d-deficient mammalian cells	Wyatt MD	Environ Mol Mutagen. 2018 Jan;59(1):38-48.	2018	2017/9/26	28945288	
92	Telomere length in poor-risk chronic lymphocytic leukemia: associations with disease characteristics and outcome	Steinbrecher D	Leuk Lymphoma. 2018 Jul;59(7):1614-1623.	2018	2017/10/25	29063805	*
93	No association between donor telomere length and outcomes after allogeneic unrelated hematopoietic cell transplant in patients with acute leukemia	Gadalla SM	Bone Marrow Transplant. 2018 Apr;53(4):383-391.	2018	2017/12/23	29269807	
94	Evaluation of a Machine Learning-Based Prognostic Model for Unrelated Hematopoietic Cell Transplantation Donor Selection	Buturovic L	Biol Blood Marrow Transplant. 2018 Jun;24(6):1299-1306.	2018	2018/2/8	29410341	
95	Actionable perturbations of damage responses by TCL1/ATM and epigenetic lesions form the basis of T-PLL	Schrader A	Nat Commun. 2018 Feb 15;9(1):697.	2018	2018/2/17	29449575	
96	Genes, Proteins, and Biological Pathways Preventing Chromothripsis	Poot M	Methods Mol Biol. 2018;1769:231-251.	2018	2018/3/23	29564828	
97	Prolonged granulocyte colony stimulating factor use in glycogen storage disease type 1b associated with acute myeloid leukemia and with shortened telomere length	Li AM	Pediatr Hematol Oncol. 2018 Feb;35(1):45-51.	2018	2018/4/14	29652549	*
98	Refining the phenotype associated with biallelic DNAJC21 mutations	D'Amours G	Clin Genet. 2018 Aug;94(2):252-258.	2018	2018/4/28	29700810	
99	Genomic characterization of chronic lymphocytic leukemia (CLL) in radiation-exposed Chernobyl cleanup workers	Ojha J	Environ Health. 2018 May 2;17(1):43.	2018	2018/5/4	29720177	

100	Recent advances in the cellular and molecular understanding of myelodysplastic syndromes: implications for new therapeutic approaches	Brunner AM	Clin Adv Hematol Oncol. 2018 Jan;16(1):56-66.	2018	2018/5/10	29741506	
101	Recurrent somatic mutations are rare in patients with cryptic dyskeratosis congenita	Kirschner M	Leukemia. 2018 Aug;32(8):1762-1767.	2018	2018/5/12	29749397	
102	Leukocyte Telomere Length Shortening, hTERT Genetic Polymorphisms and Risk of Childhood Acute Lymphoblastic Leukemia	Eskandari E	Asian Pac J Cancer Prev. 2018 Jun 25;19(6):1515-1521.	2018	2018/6/26	29936725	*
103	Selective DOT1L, LSD1, and HDAC Class I Inhibitors Reduce HOXA9 Expression in MLL-AF9 Rearranged Leukemia Cells But Dysregulate the Expression of Many	Lillico R	J Proteome Res. 2018 Aug 3;17(8):2657-2667.	2018	2018/7/5	29972300	
104	Telomere shortening correlates with leukemic stem cell burden at diagnosis of chronic myeloid leukemia	Bouillon AS	Blood Adv. 2018 Jul 10;2(13):1572-1579.	2018	2018/7/8	29980572	*
105	Mendelian randomization studies of cancer risk: a literature review	Pierce BL	Curr Epidemiol Rep. 2018 Jun;5(2):184-196.	2018	2018/7/24	30034993	
106	Clinical Implications of Clonal Hematopoiesis	Steensma DP	Mayo Clin Proc. 2018 Aug;93(8):1122-1130.	2018	2018/8/7	30078412	
107	MYBL2 Supports DNA Double Strand Break Repair in Hematopoietic Stem Cells	Bayley R	Cancer Res. 2018 Oct 15;78(20):5767-5779.	2018	2018/8/8	30082276	
108	Overexpression of MiR-138 Inhibits Cell Growth and Induces Caspase-mediated Apoptosis in Acute Promyelocytic Leukemia Cell Line	Manafi Shabestari R	Int J Mol Cell Med. 2018 Winter;7(1):24-31.	2018	2018/9/21	30234070	
109	[Diagnosis, surveillance, and management of familial leukemia]	Moritake H	Rinsho Ketsueki. 2018;59(10):2290-2299.	2018	2018/10/12	30305538	
110	Human Telomerase Reverse Transcriptase (hTERT) Positively Regulates 26S Proteasome Activity	Im E	J Cell Physiol. 2017 Aug;232(8):2083-2093.	2017	2016/9/21	27648923	
111	Tianshengyuan-1 (TSY-1) regulates cellular Telomerase activity by methylation of TERT promoter	Yu W	Oncotarget. 2017 Jan 31;8(5):7977-7988.	2017	2016/12/22	28002788	
112	Bone marrow morphology and disease progression in congenital thrombocytopenia: a detailed clinicopathologic and genetic study of eight cases	Tsang HC	Mod Pathol. 2017 Apr;30(4):486-498.	2017	2017/1/7	28059092	
113	Telomerase and telomere biology in hematological diseases: A new therapeutic target	Allegra A	Leuk Res. 2017 May;56:60-74.	2017	2017/2/15	28196338	
114	Dysregulation of Telomere Lengths and Telomerase Activity in Myelodysplastic Syndrome	Park HS	Ann Lab Med. 2017 May;37(3):195-203.	2017	2017/2/23	28224765	

115	Apoptotic Endonuclease EndoG Inhibits Telomerase Activity and Induces Malignant Transformation of Human CD4+ T Cells	Vasina DA	Biochemistry (Mosc). 2017 Jan;82(1):24-37.	2017	2017/3/22	28320284	
116	Relative Telomere Length before Hematopoietic Cell Transplantation and Outcome after Unrelated Donor Hematopoietic Cell Transplantation for Acute Leukemia	Wang Y	Biol Blood Marrow Transplant. 2017 Jul;23(7):1054-1058.	2017	2017/4/9	28389255	*
117	Telomere length analysis in monoclonal B-cell lymphocytosis and chronic lymphocytic leukemia Binet A	Furtado FM	Braz J Med Biol Res. 2017 Apr 13;50(5):e6019.	2017	2017/4/20	28423121	*
118	Withaferin-A kills cancer cells with and without telomerase: chemical, computational and experimental evidences	Yu Y	Cell Death Dis. 2017 Apr 20;8(4):e2755.	2017	2017/4/21	28425984	
119	The cellular senescence of leukemia-initiating cells from acute lymphoblastic leukemia is postponed by β-Arrestin1 binding with P300-Sn1 to regulate hTERT transcription	Liu S	Cell Death Dis. 2017 Apr 20;8(4):e2756.	2017	2017/4/21	28425985	
120	Natural killer cells differentiated in vitro from cord blood CD34(+) cells are more advantageous for use as an immunotherapy than peripheral blood and cord blood	Domogala A	Cytotherapy. 2017 Jun;19(6):710-720.	2017	2017/4/22	28428057	
121	Prognostic role of telomere length in malignancies: A meta-analysis and meta-regression	Adam R	Exp Mol Pathol. 2017 Jun;102(3):455-474.	2017	2017/5/17	28506770	
122	A Cisplatin Derivative Tetra-Pt(bpy) as an Oncotherapeutic Agent for Targeting ALT Cancer	Zheng XH	J Natl Cancer Inst. 2017 Oct 1;109(10).	2017	2017/5/19	28521363	
123	A novel spliced variant of the TIN2 shelterin is present in chronic lymphocytic leukemia	Ishdorj G	Leuk Res. 2017 Aug;59:66-74.	2017	2017/6/3	28575699	
124	Characterization of an acquired jumping translocation involving 3q13.31-qter in a patient with de novo acute monocytic leukemia	Kjeldsen E	Exp Mol Pathol. 2017 Aug;103(1):14-25.	2017	2017/6/20	28625614	
125	Classical inherited bone marrow failure syndromes with high risk for myelodysplastic syndrome and acute myelogenous leukemia	Savage SA	Semin Hematol. 2017 Apr;54(2):105-114.	2017	2017/6/23	28637614	*
126	Young adult survivors of childhood acute lymphoblastic leukemia show evidence of chronic inflammation and cellular aging	Ariffin H	Cancer. 2017 Nov 1;123(21):4207-4214.	2017	2017/6/28	28654149	*
127	Dysregulation of H/ACA ribonucleoprotein components in chronic lymphocytic leukemia	Dos Santos PC	PLoS One. 2017 Jun 30;12(6):e0179883.	2017	2017/7/1	28666010	*
128	Evidence for a pre-existing telomere deficit in non-clonal hematopoietic stem cells in patients with acute myeloid leukemia	Ventura Ferreira MS	Ann Hematol. 2017 Sep;96(9):1457-1461.	2017	2017/7/5	28674830	*
129	Telomere shortening, TP53 mutations and deletions in chronic lymphocytic leukemia result in increased chromosomal instability and breakpoint clustering in	Thomay K	Ann Hematol. 2017 Sep;96(9):1493-1500.	2017	2017/7/11	28691153	*

130	Role of regulatory T cells in acute myeloid leukemia patients undergoing relapse-preventive immunotherapy	Sander FE	Cancer Immunol Immunother. 2017 Nov;66(11):1473-1484.	2017	2017/7/20	28721449	
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523	Telomeres and telomerase in human leukemias	Shay JW	Leukemia. 1996 Aug;10(8):1255-61.	1996	1996/8/1	8709628	*
524	[Telomere and telomerase]	Ishikawa F	Hum Cell. 1996 Dec;9(4):287-94.	1996	1996/12/1	9183660	*
525	Telomerase activity in human acute myelogenous leukemia: inhibition of telomerase activity by differentiation-inducing agents	Zhang W	Clin Cancer Res. 1996 May;2(5):799-803.	1996	1996/5/1	9816233	*
526	Identification of chromosomal rearrangements in the human myeloid leukemia cell line GF-D8 by dual-colour fluorescence in situ hybridization	Doneda L	Hematol Oncol. 1995 Jul-Aug;13(4):177-83.	1995	1995/7/1	7557894	
527	Physical mapping of the minimal region of loss in 5q- chromosome	Fairman J	Proc Natl Acad Sci U S A. 1995 Aug 1;92(16):7406-10.	1995	1995/8/1	7638206	
528	Telomerase activity in normal leukocytes and in hematologic malignancies	Counter CM	Blood. 1995 May 1;85(9):2315-20.	1995	1995/5/1	7727765	*
529	Deletion cartography around the D13S25 locus in B cell chronic lymphocytic leukemia and accurate mapping of the involved tumor suppressor gene	Devilder MC	Cancer Res. 1995 Mar 15;55(6):1355-7.	1995	1995/3/15	7882336	
530	Telomeric DNA in normal and leukemic blood cells	Yamada O	J Clin Invest. 1995 Mar;95(3):1117-23.	1995	1995/3/1	7883960	*
531	Cytogenetic, telomere, and telomerase studies in five surgically managed lumbosacral chordomas	Butler MG	Cancer Genet Cytogenet. 1995 Nov;85(1):51-7.	1995	1995/11/1	8536238	
532	The AML1 and ETO genes in acute myeloid leukemia with a t(8;21)	Nucifora G	Leuk Lymphoma. 1994 Aug;14(5-6):353-62.	1994	1994/8/1	7812194	
533	Telomere reduction of specific chromosome translocation in acute myelocytic leukemia	Takauchi K	Jpn J Cancer Res. 1994 Feb;85(2):127-30.	1994	1994/2/1	7908283	*
534	Telomere shortening in leukemic cells is related to their genetic alterations but not replicative capability	Ohyashiki K	Cancer Genet Cytogenet. 1994 Nov;78(1):64-7.	1994	1994/11/1	7987807	*

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536	5q- chromosome. Evidence for complex interstitial breaks in a case of refractory anemia with excess blasts	Nagarajan L	Cancer Genet Cytogenet. 1994 May;74(1):8-12.	1994	1994/5/1	8194054	
537	Oligoclonal B-cell leukemia characterized by spontaneous cell division and telomere association	Crossen PE	Genes Chromosomes Cancer. 1993 Sep;8(1):49-59.	1993	1993/9/1	7691159	*
538	Telomere-like DNA polymorphisms associated with genetic predisposition to acute myeloid leukemia in irradiated CBA mice	Silver A	Proc Natl Acad Sci U S A. 1993 Feb 15;90(4):1407-10.	1993	1993/2/15	8434000	
539	Involvement of the AML1 gene in the t(3;21) in therapy-related leukemia and in chronic myeloid leukemia in blast crisis	Nucifora G	Blood. 1993 May 15;81(10):2728-34.	1993	1993/5/15	8490181	
540	Dyskeratosis Congenita	Savage SA	2009 Nov 12 [updated 2019 Nov 21]. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LJH, Grinn KW	1993	2019/11/21	20301779	
541	The der(11) chromosome contains the critical breakpoint junction in the 4;11, 9;11, and 11;19 translocations in acute leukemia	Rowley JD	Genes Chromosomes Cancer. 1992 Oct;5(3):264-6.	1992	1992/10/1	1384682	
542	Mapping of the shortest region of overlap of deletions of the short arm of chromosome 9 associated with human neoplasia	Olopade OI	Genomics. 1992 Oct;14(2):437-43.	1992	1992/10/1	1385305	
543	Identification of breakpoints in t(8;21) acute myelogenous leukemia and isolation of a fusion transcript, AML1/ETO, with similarity to Drosophila segmentation gene, runt	Erickson P	Blood. 1992 Oct 1;80(7):1825-31.	1992	1992/10/1	1391946	
544	Significant telomere shortening in childhood leukemia	Adamson DJ	Cancer Genet Cytogenet. 1992 Jul 15;61(2):204-6.	1992	1992/7/15	1638505	*
545	A fine-structure deletion map of human chromosome 11p: analysis of J1 series hybrids	Glaser T	Somat Cell Mol Genet. 1989 Nov;15(6):477-501.	1989	1989/11/1	2595451	
546	Translocation 5;21 and interstitial deletion of chromosome 7 in a case of chronic myelomonocytic leukemia	Sherrington PD	Cancer Genet Cytogenet. 1988 Apr;31(2):247-52.	1988	1988/4/1	3162398	*
547	Telomeric fusion in pre-T-cell acute lymphoblastic leukemia	Morgan R	Hum Genet. 1986 Jul;73(3):260-3.	1986	1986/7/1	3488255	
548	The Philadelphia (Ph) chromosome in leukemia. I. A new mechanism due to interstitial deletion and insertion in chronic myelocytic leukemia	Hecht F	Cancer Genet Cytogenet. 1985 Jan 1;14(1-2):3-10.	1985	1985/1/1	2981154	
549	Telomeric association of chromosomes in B-cell lymphoid leukemia	Fitzgerald PH	Hum Genet. 1984;67(4):385-90.	1984	1984/1/1	6333380	*

550	Ultrastructure of meiotic chromosomes in boys undergoing chemotherapy for leukemia	Berthelsen JG	Leuk Res. 1983;7(6):713-27.	1983	1983/1/1	6664096	
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Telomere & Bone Marrow Failure

No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	Dyskeratosis Congenita	Garofola CNassereddin AGross GP	2021 Jul 2. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2022 Jan--	2022	2021/7/2	29939532	*
2	Inherited human Apollo deficiency causes severe bone marrow failure and developmental defects	Kermasson L	Blood. 2022 Jan 10;blood.2021010791.	2022	2022/1/10	35007328	*
3	Androgen derivatives improve blood counts and elongate telomere length in adult cryptic dyskeratosis congenita	Kirschner M	Br J Haematol. 2021 May;193(3):669-673.	2021	2020/8/4	32744739	
4	Combined lung and liver transplantation for noncirrhotic portal hypertension with severe hepatopulmonary syndrome in a patient with dyskeratosis congenita	Shin S	Pediatr Transplant. 2021 Mar;25(2):e13802.	2021	2020/8/11	32777145	
5	Coats plus syndrome (cerebroretinal microangiopathy with calcifications and cysts-1): A case report	Morgado F	Pediatr Dermatol. 2021 Jan;38(1):191-193.	2021	2020/10/3	33010065	*
6	Multiple bilateral hip fractures in a patient with dyskeratosis congenita caused by a novel mutation in the PARN gene	Belaya Z	Osteoporos Int. 2021 Jun;32(6):1227-1231.	2021	2020/11/27	33244623	
7	Severe telomere shortening in Fanconi anemia complementation group L	Shah A	Mol Biol Rep. 2021 Jan;48(1):585-593.	2021	2021/1/4	33394227	
8	Generation of dyskeratosis congenita-like hematopoietic stem cells through the stable inhibition of DKC1	Carrascoso-Rubio C	Stem Cell Res Ther. 2021 Jan 29;12(1):92.	2021	2021/1/30	33514435	
9	Shaping human telomeres: from shelterin and CST complexes to telomeric chromatin organization	Lim CJ	Nat Rev Mol Cell Biol. 2021 Apr;22(4):283-298.	2021	2021/2/10	33564154	
10	Continuous reference intervals for leukocyte telomere length in children: the method matters	Lesmana A	Clin Chem Lab Med. 2021 Mar 15;59(7):1279-1288.	2021	2021/3/12	33711214	
11	Beyond DNA repair and chromosome instability-Fanconi anaemia as a cellular senescence-associated syndrome	Helbling-Leclerc A	Cell Death Differ. 2021 Apr;28(4):1159-1173.	2021	2021/3/16	33723374	
12	When Should We Think of Myelodysplasia or Bone Marrow Failure in a Thrombocytopenic Patient? A Practical Approach to Diagnosis	Bonadies N	J Clin Med. 2021 Mar 2;10(5):1026.	2021	2021/4/3	33801484	

13	Genetic Predisposition to Myelodysplastic Syndromes: A Challenge for Adult Hematologists	Crisà E	Int J Mol Sci. 2021 Mar 3;22(5):2525.	2021	2021/4/3	33802366	
14	Clinical diagnostic value of telomere length measurement in inherited bone marrow failure syndromes	Miwata S	Haematologica. 2021 Sep 1;106(9):2511-2515.	2021	2021/4/22	33882640	*
15	Gynaecological and reproductive health of women with telomere biology disorders	Giri N	Br J Haematol. 2021 Jun;193(6):1238-1246.	2021	2021/5/21	34019708	
16	Telomere biology disorders	Kam MLW	NPJ Genom Med. 2021 May 28;6(1):36.	2021	2021/5/29	34050178	
17	A Case of Presumed Dyskeratosis Congenita Causing Severe Retinal Vascular Occlusion	Hirokawa T	Case Rep Ophthalmol. 2021 May 7;12(2):344-349.	2021	2021/5/31	34054482	
18	Spectrum of hematological malignancies, clonal evolution and outcomes in 144 Mayo Clinic patients with germline predisposition syndromes	Martin ES	Am J Hematol. 2021 Nov 1;96(11):1450-1460.	2021	2021/8/14	34390506	
19	Treatment of telomeropathies	Vieri M	Best Pract Res Clin Haematol. 2021 Jun;34(2):101282.	2021	2021/8/18	34404536	*
20	Pulmonary fibrosis in dyskeratosis congenita: a case report with a PRISMA-compliant systematic review	Wang P	BMC Pulm Med. 2021 Sep 3;21(1):279.	2021	2021/9/4	34479523	
21	[Treating inherited bone marrow failure syndromes and primary immunodeficiency diseases]	Ishimura M	Rinsho Ketsueki. 2021;62(8):1327-1333.	2021	2021/9/9	34497223	
22	Poly (A)-specific ribonuclease (PARN): More than just "mRNA stock clearing"	Nanjappa DP	Life Sci. 2021 Nov 15;285:119953.	2021	2021/9/14	34520768	
23	Tissue-specific telomere shortening and degenerative changes in a patient with TINF2 mutation and dyskeratosis congenita	Roake CM	Hum Pathol (N Y). 2021 Sep;25:200517.	2021	2021/9/15	34522616	*
24	Dyskerin: an essential pseudouridine synthase with multifaceted roles in ribosome biogenesis, splicing, and telomere maintenance	Garus A	RNA. 2021 Dec;27(12):1441-1458.	2021	2021/9/24	34556550	
25	Non-myeloablative umbilical cord blood transplantation for atypical dyskeratosis congenita	Gibson A	Pediatr Transplant. 2021 Oct 8:e14157.	2021	2021/10/9	34626046	
26	Differential impact of a dyskeratosis congenita mutation in TPP1 on mouse hematopoiesis and germline	Graniel JV	Life Sci Alliance. 2021 Oct 13;5(1):e202101208.	2021	2021/10/14	34645668	
27	Liver Histology in Short Telomere Syndrome: A Case Report and Review of the Literature	Bai L	Int J Surg Pathol. 2021 Oct 29;10668969211054102.	2021	2021/10/29	34714693	*

28	Gain-of-Function Mutations in RPA1 Cause a Syndrome with Short Telomeres and Somatic Genetic Rescue	Sharma R	Blood. 2021 Nov 12;blood.2021011980.	2021	2021/11/12	34767620	
29	Disease Progression and Clinical Outcomes in Telomere Biology Disorders	Niewisch MR	Blood. 2021 Dec 1;blood.2021013523.	2021	2021/12/1	34852175	*
30	Mechanisms of somatic transformation in inherited bone marrow failure syndromes	Choijsilsuren HB	Hematology Am Soc Hematol Educ Program. 2021 Dec 10;2021(1):390-398	2021	2021/12/10	34889377	
31	The clinical and laboratory evaluation of patients with suspected hypocellular marrow failure	Keel S	Hematology Am Soc Hematol Educ Program. 2021 Dec 10;2021(1):134-142	2021	2021/12/10	34889426	
32	Lipoprotein particle alterations due to androgen therapy in individuals with dyskeratosis congenita	Thompson MB	EBioMedicine. 2021 Dec 17;75:103760.	2021	2021/12/20	34929494	
33	Comparison of flow-FISH and MM-qPCR telomere length assessment techniques for the screening of telomeronathies	Ferreira MSV	Ann N Y Acad Sci. 2020 Apr;1466(1):93-103.	2020	2019/10/25	31647584	*
34	NHP2 deficiency impairs rRNA biogenesis and causes pulmonary fibrosis and Høyeraal-Hreidarsson syndrome	Benyelles M	Hum Mol Genet. 2020 Apr 15;29(6):907-922.	2020	2020/1/28	31985013	
35	Diagnostic evaluation and considerations in hypocellular bone marrow failure-A focus on genomics	Fox LC	Int J Lab Hematol. 2020 Jun;42 Suppl 1:82-89.	2020	2020/3/6	32134198	
36	TERT and TERC mutations detected in cryptic dyskeratosis congenita suppress telomerase activity	Terada K	Int J Lab Hematol. 2020 Jun;42(3):316-321.	2020	2020/3/10	32150348	
37	Successful liver transplantation in short telomere syndromes without bone marrow failure due to DKC1 mutation	Del Brío Castillo R	Pediatr Transplant. 2020 May;24(3):e13695.	2020	2020/3/14	32166868	
38	Cancer and myeloid clonal evolution in the short telomere syndromes	Schratz KE	Curr Opin Genet Dev. 2020 Feb;60:112-118.	2020	2020/4/11	32276199	*
39	Germline mutation of MDM4, a major p53 regulator, in a familial syndrome of defective telomere maintenance	Toufektchan E	Sci Adv. 2020 Apr 10;6(15):eaay3511.	2020	2020/4/18	32300648	
40	Biallelic mutations in WRAP53 result in dysfunctional telomeres, Cajal bodies and DNA repair, thereby causing Høyeraal-Hreidarsson syndrome	Bergstrand S	Cell Death Dis. 2020 Apr 17;11(4):238.	2020	2020/4/19	32303682	
41	Secondary myelodysplastic syndrome and leukemia in acquired aplastic anemia and paroxysmal nocturnal hemoglobinuria	Sun L	Blood. 2020 Jul 2;136(1):36-49.	2020	2020/5/21	32430502	
42	Small Molecules Restore Telomeres in Patient Stem Cells	Brenner KA	Trends Pharmacol Sci. 2020 Aug;41(8):506-508.	2020	2020/6/3	32482456	*

43	Full length RTEL1 is required for the elongation of the single-stranded telomeric overhang by telomerase	Awad A	Nucleic Acids Res. 2020 Jul 27;48(13):7239-7251.	2020	2020/6/17	32542379	*
44	Chemical inhibition of PAPD5/7 rescues telomerase function and hematopoiesis in dyskeratosis congenita	Shukla S	Blood Adv. 2020 Jun 23;4(12):2717-2722.	2020	2020/6/20	32559291	
45	Hereditary Predisposition to Hematopoietic Neoplasms: When Bloodline Matters for Blood Cancers	Mangaonkar AA	Mayo Clin Proc. 2020 Jul;95(7):1482-1498.	2020	2020/6/24	32571604	
46	Nonsense Suppression Therapy: New Hypothesis for the Treatment of Inherited Bone Marrow Failure Syndromes	Bezzerri V	Int J Mol Sci. 2020 Jun 30;21(13):4672.	2020	2020/7/8	32630050	
47	A Mendelian randomization study of telomere length and blood-cell traits	Adams CD	Sci Rep. 2020 Jul 22;10(1):12223.	2020	2020/7/24	32699327	
48	Synonymous Mutation in DKC1 Causes Telomerase RNA Insufficiency Manifesting as Familial Pulmonary Fibrosis	Gaysinskaya V	Chest. 2020 Dec;158(6):2449-2457.	2020	2020/7/26	32710892	*
49	Clonal hematopoiesis in the inherited bone marrow failure syndromes	Tsai FD	Blood. 2020 Oct 1;136(14):1615-1622.	2020	2020/8/1	32736377	
50	PRDM8 reveals aberrant DNA methylation in aging syndromes and is relevant for hematopoietic and neuronal differentiation	Cypris O	Clin Epigenetics. 2020 Aug 20;12(1):125.	2020	2020/8/22	32819411	*
51	Telomere biology disorder prevalence and phenotypes in adults with familial hematologic and/or pulmonary presentations	Feurstein S	Blood Adv. 2020 Oct 13;4(19):4873-4886.	2020	2020/10/9	33035329	
52	Revesz syndrome revisited	Karremann M	Orphanet J Rare Dis. 2020 Oct 23;15(1):299.	2020	2020/10/24	33097095	
53	Zinsser-Engman-Cole Syndrome Presenting as Partial Limbal Stem Cell Deficiency	Srirampur A	Cureus. 2020 Oct 13;12(10):e10933.	2020	2020/11/16	33194499	
54	Extrahematopoietic manifestations of the short telomere syndromes	Schratz KE	Hematology Am Soc Hematol Educ Program. 2020 Dec 4;2020(1):115-122.	2020	2020/12/4	33275732	
55	Dyskeratosis congenita	Gitto L	Autops Case Rep. 2020 Sep 2;10(3):e2020203.	2020	2020/12/21	33344307	*
56	Pathogenic TERT promoter variants in telomere diseases	Gutierrez-Rodrigues F	Genet Med. 2019 Jul;21(7):1594-1602.	2019	2018/12/8	30523342	
57	Peering through zebrafish to understand inherited bone marrow failure syndromes	Oyarbide U	Haematologica. 2019 Jan;104(1):13-24.	2019	2018/12/22	30573510	

58	[Research progress of dyskeratosis congenita]	Wang F	Zhonghua Kou Qiang Yi Xue Za Zhi. 2019 Feb 9;54(2):130-134.	2019	2019/1/30	30695916	
59	Current Concepts of the Pathogenesis of Aplastic Anemia	Liu C	Curr Pharm Des. 2019;25(3):236-241.	2019	2019/3/14	30864496	
60	Impact of germline CTC1 alterations on telomere length in acquired bone marrow failure	Shen W	Br J Haematol. 2019 Jun;185(5):935-939.	2019	2019/3/21	30891747	
61	Paracrine Interaction of Cancer Stem Cell Populations Is Regulated by the Senescence-Associated Secretory Phenotype (SASP)	Lagunas AM	Mol Cancer Res. 2019 Jul;17(7):1480-1492.	2019	2019/5/3	31043491	
62	Telomerase insufficiency induced telomere erosion accumulation in successive generations in dyskeratosis congenita family	He C	Mol Genet Genomic Med. 2019 Jul;7(7):e00709.	2019	2019/5/24	31119896	*
63	[Cancer predisposition in inherited bone marrow failure syndromes and primary immunodeficiency diseases]	Ishimura M	Rinsho Ketsueki. 2019;60(6):702-707.	2019	2019/7/9	31281163	
64	Dyskeratosis Congenita and Corneal Refractive Surgery	Heiland MB	Ophthalmol Ther. 2019 Sep;8(3):361-365.	2019	2019/7/18	31313220	
65	Pathogenesis of aplastic anemia	Wang L	Hematology. 2019 Dec;24(1):559-566.	2019	2019/7/19	31315542	*
66	Myelodysplastic syndromes and idiopathic pulmonary fibrosis: a dangerous liaison	Papiris SA	Respir Res. 2019 Aug 13;20(1):182.	2019	2019/8/15	31409344	
67	An update on the biology and management of dyskeratosis congenita and related telomere biology disorders	Niewisch MR	Expert Rev Hematol. 2019 Dec;12(12):1037-1052.	2019	2019/9/4	31478401	
68	Telomere dynamics and hematopoietic differentiation of human DKC1-mutant induced pluripotent stem cells	Donaires FS	Stem Cell Res. 2019 Oct;40:101540.	2019	2019/9/4	31479877	
69	Nopp140-mediated concentration of telomerase in Cajal bodies regulates telomere length	Bizarro J	Mol Biol Cell. 2019 Dec 15;30(26):3136-3150.	2019	2019/10/31	31664887	*
70	Prognostic significance of pulmonary function tests in dyskeratosis congenita, a telomere biology disorder	Giri N	ERJ Open Res. 2019 Nov 15;5(4):00209-2019.	2019	2019/11/23	31754622	*
71	Bone marrow failure syndrome caused by homozygous frameshift mutation in the ERCC6L2 gene	Järviäho T	Clin Genet. 2018 Feb;93(2):392-395.	2018	2017/8/18	28815563	
72	The shortening telomere length of T lymphocytes maybe associated with hyper-function in severe aplastic anemia	Wang C	Mol Med Rep. 2018 Jan;17(1):1015-1021.	2018	2017/11/9	29115638	*

73	Heterozygous RTEL1 variants in bone marrow failure and myeloid neoplasms	Marsh JCW	Blood Adv. 2018 Jan 4;2(1):36-48.	2018	2018/1/19	29344583	*
74	iPSC modeling of severe aplastic anemia reveals impaired differentiation and telomere shortening in blood progenitors	Melguizo-Sanchis D	Cell Death Dis. 2018 Jan 26;9(2):128.	2018	2018/1/28	29374141	*
75	Diagnostic utility of telomere length testing in a hospital-based setting	Alder JK	Proc Natl Acad Sci U S A. 2018 Mar 6;115(10):E2358-E2365.	2018	2018/2/22	29463756	
76	A unique homozygous WRAP53 Arg298Trp mutation underlies dyskeratosis congenita in a Chinese Han family	Shao Y	BMC Med Genet. 2018 Mar 7;19(1):40.	2018	2018/3/9	29514627	
77	Spectrin and its interacting partners in nuclear structure and function	Lambert MW	Exp Biol Med (Maywood). 2018 Mar;243(6):507-524.	2018	2018/3/21	29557213	
78	Complex phenotype of dyskeratosis congenita and mood dysregulation with novel homozygous RTEL1 and TPH1 variants	Ungar RA	Am J Med Genet A. 2018 Jun;176(6):1432-1437.	2018	2018/4/27	29696773	
79	Refining the phenotype associated with biallelic DNAJC21 mutations	D'Amours G	Clin Genet. 2018 Aug;94(2):252-258.	2018	2018/4/28	29700810	
80	The Guardian of the Genome Revisited: p53 Downregulates Genes Required for Telomere Maintenance, DNA Repair, and Centromere Structure	Toufektchan E	Cancers (Basel). 2018 May 6;10(5):135.	2018	2018/5/9	29734785	
81	Recurrent somatic mutations are rare in patients with cryptic dyskeratosis congenita	Kirschner M	Leukemia. 2018 Aug;32(8):1762-1767.	2018	2018/5/12	29749397	
82	Beginning at the ends: telomeres and human disease	Savage SA	F1000Res. 2018 May 1;7:F1000 Faculty Rev-524.	2018	2018/5/18	29770205	
83	Dyskeratosis congenita with a novel genetic variant in the DKC1 gene: a case report	Ratnasamy V	BMC Med Genet. 2018 May 25;19(1):85.	2018	2018/5/27	29801475	
84	Short Telomere Syndromes in Clinical Practice: Bridging Bench and Bedside	Mangaonkar AA	Mayo Clin Proc. 2018 Jul;93(7):904-916.	2018	2018/5/29	29804726	*
85	Similar telomere attrition rates in androgen-treated and untreated patients with dyskeratosis congenita	Khincha PP	Blood Adv. 2018 Jun 12;2(11):1243-1249.	2018	2018/6/2	29853525	*
86	HuR regulates telomerase activity through TERC methylation	Tang H	Nat Commun. 2018 Jun 7;9(1):2213.	2018	2018/6/9	29880812	
87	Delayed diagnosis of Shwachman diamond syndrome with short telomeres and a review of cases in Asia	Ong SY	Leuk Res Rep. 2018 Apr 9;9:54-57.	2018	2018/6/13	29892551	

88	Clinical Correlates and Treatment Outcomes for Patients With Short Telomere Syndromes	Mangaonkar AA	Mayo Clin Proc. 2018 Jul;93(7):834-839.	2018	2018/7/7	29976374	*
89	Evaluation and Management of Hematopoietic Failure in Dyskeratosis Congenita	Agarwal S	Hematol Oncol Clin North Am. 2018 Aug;32(4):669-685.	2018	2018/7/27	30047419	*
90	Clinical implications of telomere dysfunction in lung fibrosis	Molina-Molina M	Curr Opin Pulm Med. 2018 Sep;24(5):440-444.	2018	2018/8/2	30067250	
91	Diagnostics of rare disorders: whole-exome sequencing deciphering locus heterogeneity in telomere biology disorders	Trotta L	Orphanet J Rare Dis. 2018 Aug 17;13(1):139.	2018	2018/8/18	30115091	
92	Short telomere syndromes cause a primary T cell immunodeficiency	Wagner CL	J Clin Invest. 2018 Dec 3;128(12):5222-5234.	2018	2018/9/5	30179220	
93	The Telomerase Complex Directly Controls Hematopoietic Stem Cell Differentiation and Senescence in an Induced Pluripotent Stem Cell Model of Telomeropathy	Jose SS	Front Genet. 2018 Aug 29;9:345.	2018	2018/9/14	30210531	*
94	Fanconi Anemia: A DNA repair disorder characterized by accelerated decline of the hematopoietic stem cell compartment and other features of aging	Brosh RM Jr	Ageing Res Rev. 2017 Jan;33:67-75.	2017	2016/5/26	27223997	
95	RETINAL VASCULAR TORTUOSITY AND EXUDATIVE RETINOPATHY IN A FAMILY WITH DYSKERATOSIS CONGENITA MASQUERADING AS FAMILIAL EXUDATIVE	Thanos A	Retin Cases Brief Rep. 2017 Winter;11 Suppl 1:S187-S190.	2017	2016/9/30	27685501	*
96	Concise Review: Getting to the Core of Inherited Bone Marrow Failures	Adam S	Stem Cells. 2017 Feb;35(2):284-298.	2017	2016/11/22	27870251	
97	Impairment of fetal hematopoietic stem cell function in the absence of Fancd2	Suzuki S	Exp Hematol. 2017 Apr;48:79-86.	2017	2016/12/5	27915139	
98	Decreased telomere length in children with cartilage-hair hypoplasia	Kostjukovits S	J Med Genet. 2017 May;54(5):365-370.	2017	2016/12/18	27986801	*
99	Bone marrow morphology and disease progression in congenital thrombocytopenia: a detailed clinicopathologic and genetic study of eight cases	Tsang HC	Mod Pathol. 2017 Apr;30(4):486-498.	2017	2017/1/7	28059092	
100	Retinal findings and a novel TINF2 mutation in Revesz syndrome: Clinical and molecular correlations with pediatric retinal vasculopathies	Gupta MP	Ophthalmic Genet. 2017 Jan-Feb;38(1):51-60.	2017	2017/1/18	28095086	
101	Structural Analysis Reveals the Deleterious Effects of Telomerase Mutations in Bone Marrow Failure Syndromes	Hoffman H	J Biol Chem. 2017 Mar 17;292(11):4593-4601.	2017	2017/2/4	28154186	*
102	Telomerase and telomere biology in hematological diseases: A new therapeutic target	Allegra A	Leuk Res. 2017 May;56:60-74.	2017	2017/2/15	28196338	

103	[Recurrent pulmonary infection and oral mucosal ulcer]	Kuang FM	Zhongguo Dang Dai Er Ke Za Zhi. 2017 Apr;19(4):452-457.	2017	2017/4/15	28407835	*
104	Clinical and Molecular Heterogeneity of RTEL1 Deficiency	Speckmann C	Front Immunol. 2017 May 1;8:449.	2017	2017/5/17	28507545	
105	The relationship between idiopathic cytopenias/dysplasias of uncertain significance (ICUS/IDUS) and autoimmunity	Barcellini W	Expert Rev Hematol. 2017 Jul;10(7):649-657.	2017	2017/6/7	28586251	
106	Classical inherited bone marrow failure syndromes with high risk for myelodysplastic syndrome and acute myelogenous leukemia	Savage SA	Semin Hematol. 2017 Apr;54(2):105-114.	2017	2017/6/23	28637614	*
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No.	Title	First Author	Journal/Book/Page	Publication Year	Create Date	PMID	High Relevance
1	Epigenetic Clock Analysis in Children With Fetal Alcohol Spectrum Disorder	Okazaki S	Alcohol Clin Exp Res. 2021 Feb;45(2):329-337.	2021	2020/12/9	33296097	
2	Telomere shortening during human septic shock: influence of sepsis mediators, role in organ failures, and septic myocardial dysfunction	Razazi K	Crit Care. 2021 Nov 18;25(1):401.	2021	2021/11/19	34794487	
3	Low-power infrared laser modulates telomere length in heart tissue from an experimental model of acute lung injury	da Silva Neto Trajano LA	Photochem Photobiol Sci. 2021 May;20(5):653-661.	2021	2021/5/19	34009632	
4	Recombinant Antithrombin Attenuates Acute Respiratory Distress Syndrome in Experimental Endotoxemia	Okamoto H	Am J Pathol. 2021 Sep;191(9):1526-1536.	2021	2021/6/11	34116023	
5	Decreased Thymic Output Contributes to Immune Defects in Septic Patients	Sommer N	J Clin Med. 2020 Aug 20;9(9):2695.	2020	2020/8/23	32825352	
6	Long-term ozone exposure is positively associated with telomere length in critically ill patients	Wang C	Environ Int. 2020 Aug;141:105780.	2020	2020/5/18	32417614	
7	Peripheral blood leukocyte telomere length is associated with survival of sepsis patients	Liu S	Eur Respir J. 2020 Jan 16;55(1):1901044.	2020	2019/10/18	31619475	
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9	Protective Role of Endogenous Kallistatin in Vascular Injury and Senescence by Inhibiting Oxidative Stress and Inflammation	Chao J	Oxid Med Cell Longev. 2018 Dec 2;2018:4138560.	2018	2019/1/10	30622668	
10	Emphysema induced by elastase alters the mRNA relative levels from DNA repair genes in acute lung injury in response to sepsis induced by lipopolysaccharide	Sergio LPS	Exp Lung Res. 2018 Mar;44(2):79-88.	2018	2018/2/9	29419339	
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13	Salivary Telomere Length and Lung Function in Adolescents Born Very Preterm: A Prospective Multicenter Study	Hadchouel A	PLoS One. 2015 Sep 10;10(9):e0136123.	2015	2015/9/11	26355460	
14	Hoyeraal-Hreidarsson syndrome with a DKC1 mutation identified by whole-exome sequencing	Lim BC	Gene. 2014 Aug 10;546(2):425-9.	2014	2014/6/11	24914498	
15	Analysis of cellular senescence induced by lipopolysaccharide in pulmonary alveolar epithelial cells	Kim CO	Arch Gerontol Geriatr. 2012 Mar-Apr;54(2):e35-41.	2012	2011/8/30	21871670	
16	Jacobsen syndrome	Mattina T	Orphanet J Rare Dis. 2009 Mar 7;4:9.	2009	2009/3/10	19267933	
17	Proliferation and telomere length in acutely mobilized blood mononuclear cells in HIV infected patients	Søndergaard SR	Clin Exp Immunol. 2002 Mar;127(3):499-506.	2002	2002/4/23	11966767	