

Sickle Cell Disease: A Systematic Review and Meta-Analysis, 2012 Acronyms and Abbreviations

Numbered

3TC	lamivudine
32P	radioactive phosphorous
51Cr-EDTA	chromium-51 labeled ethylenediaminetetraacetic acid; see Cr-EDTA
6MWD	6-minute walk distance

A

α	alpha, first letter of the Greek alphabet
α-thal	See α-thalassemia
α-thalassemia	alpha-thalassemia
AA	African American
AB	blood group AB
Ab	antibody
ABC	abacavir
ABG	arterial blood gas
A/C	albumin to creatinine ratio
ACE	angiotensin converting enzyme
ACEI	angiotensin-converting enzyme inhibitor
ACS	acute chest syndrome
AE	adverse event
Æ	per each
AER	albumin excretion rate
AHR	airway hyperresponsiveness
AI	augmentation index
ALT	alanine aminotransferase
ANC	absolute neutrophil count
ara-c	arabinosylcytosine (cytarabine)
ARV	antiretroviral
ASA	acetylsalicylic acid (aspirin)
ASPEN	Association of Sickle Cell Disease, Priapism, Exchange Transfusion and Neurological Events
ASSC	acute splenic sequestration crisis

AST	aspartate aminotransferase
atm	atmospheric
AUC	area under the curve
avL	automated volt left, EKG lead

B

β	beta, second letter of the Greek alphabet
β-thal	See β-thalassemia
β-thalassemia	beta-thalassemia
β ⁰ -thal	beta zero-thalassemia
BABY HUG	Pediatric Hydroxyurea Phase III Clinical Trial
B cell	type of lymphocyte or immune mediator cell
beta	See β
b.i.d.	<i>bis in die</i> , twice a day
BM	Black male; bone marrow; bowel movement [see context]
BMI	Body Mass Index
BMT	bone marrow transplant
BP	blood pressure
B-TI	beta thalassemia intermedia
B-TM	beta thalassemia major

C

C	Celsius
Ca	calcium
CAD	coronary artery disease
CAR	Central African Republic haplotype
CBD	cortical bone density
CBFv	cerebral blood flow velocity
CBT	cognitive behavioral therapy
CCNU	1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea (lomustine)
CCT	clinically controlled trial
CH	chronic hepatomegaly
CI	confidence interval

cm	centimeter
cm ²	square centimeter
cm ³	cubic centimeter
CML	chronic myelogenous leukemia
cMRI	conventional magnetic resonance imaging
CMV	cytomegalovirus
CNS	central nervous system
cP	centipoise
CrCl	creatinine clearance
Cr-EDTA	chromium 51-labeled ethylenediaminetetraacetic acid; see 51Cr-EDTA
Cross	cross-sectional study
CRP	C reactive protein
CSSCD	Cooperative Study of Sickle Cell Disease
CT	computed tomography
CTA	computed tomographic angiography; concurrent treatment with an antisickling agent
CTX	chronic transfusion therapy
CUI	cumulative incidence
CV	cardiovascular
CVA	cerebrovascular accident
CVD	cardiovascular disease
CXR	chest x ray

D

d	day
d4T	didehydrodeoxythymidine
DAT	direct antiglobulin test
DBP	diastolic blood pressure
ddl	didanosine, dideoxyinosine
DFO	deferoxamine
DH	day hospital
DHTR	delayed hemolytic transfusion reaction
DHTR/H	delayed hemolytic transfusion reaction/hyperhemolysis
dL	deciliter
DLCO	diffusing capacity of lung for carbon monoxide
DM	diabetes mellitus
DPI	dynamic pressure index

DTPA	diethylenetriamine pentaacetate
DW	dry weight
dyn	dyne
dx	diagnosis

E

E	E antigen; HbE/ β -thalassemia [see context]
E wave	electromagnetic wave
E/A	Doppler ratio of early (E) to late atrial (A) transmitral flow velocity
ECG	electrocardiogram
ECHO	echocardiogram, echocardiographic, echocardiography
ECMO	extracorporeal membrane oxygenation
ED or ER	emergency department or emergency room
EDD	end diastolic diameter
EF	ejection fraction
EFV	efavirenz
EPO	erythropoietin
ESD	end systolic diameter
ESSm	end-systolic wall stress
ET	essential thrombocytopenia; exchange transfusion [see context]

F

F	female
F	Fahrenheit
f/u	follow up
FEF	forced expiratory flow
FEV1	forced expiratory volume at 1 second
fL	femtoliter
FS	fractional shortening
ft	feet
FVC	forced vital capacity

G

g	gram
G	gauge
GFR	glomerular filtration rate; mL/min/1.73 m ²
GI	gastrointestinal

GMP granule membrane protein
Gp group

H

h hour
H1N1 respiratory virus, a variety of influenza A
H6CS Harvard Six Cities Study
Hb hemoglobin
HbA hemoglobin A
HbAA hemoglobin AA
HbAS hemoglobin AS
HbF hemoglobin F; fetal hemoglobin
HbH hemoglobin H
HbI hemoglobin I
HBM health belief model
HbS hemoglobin S; sickle cell hemoglobin
HbS α^+ -thal hemoglobin S alpha plus-thalassemia
HbS β -thal hemoglobin S beta-thalassemia
HbS β^0 -thal sickle hemoglobin beta zero-thalassemia
HbS β^+ -thal sickle hemoglobin beta positive-thalassemia
HbSC hemoglobin SC disease; sickle hemoglobin C disease
HbSD hemoglobin SD disease
HbSD^{LA} hemoglobin SD disease, Los Angeles; also known as D-Punjab
HbS/O-Arab hemoglobin SO-Arab
HbSS homozygous sickle cell disease
Hct hematocrit
HES Health Examination Survey
Hg mercury
HIV human immunodeficiency virus
HLA human leukocyte antigen
HPRT hypoxanthine phosphoribosyl transferase
HR heart rate
HRQOL health-related quality of life
HSCT hematopoietic stem cell transplantation
HTN hypertension
HTR hemolytic transfusion reaction
HU hydroxyurea

HUG KIDS Phase I-II trial of the safety of HU in children by the Pediatric Hydroxyurea Group
HUSOFT The Hydroxyurea Safety and Organ Toxicity trial
hx history

I

IAT indirect antiglobulin test
IDV indinavir
IFN interferon
i.m. intramuscular
iNO or INO inhaled nitric oxide
INR international normalized ratio
IQR interquartile range
IR index of rigidity
IU International unit
i.v. or IV intravenous
IVIG intravenous immunoglobulin
IVS interventricular septal thickness

K

K Kell
kg kilogram
kJ Kilojoule
kPa kilo-Pascal

L

L liter
LA left atrium, left atrial
LACA left anterior cerebral artery
LDH lactate dehydrogenase
LFT liver function test
LIC liver iron content; liver iron concentration [see context]
LMCA left main coronary artery
LOS length of stay
Lp(a) lipoprotein (a)
LPCA left posterior cerebral artery
LQTS long QT syndrome

LV	left ventricle; left ventricular
LVDD	left ventricular diastolic dimension
LVEDD	left ventricle end-diastolic dimension
LVEF	left ventricular ejection fraction
LVESD	left ventricular end-systolic dimension
LVH	left ventricular hypertrophy
LVPWD	left ventricular posterior wall dimension
LVPWT	left ventricular posterior wall thickness

M

μ	Greek letter mu; micro-
m	milli-; moles per liter [see context]
m	meter
m ²	square meter
MAP	mean arterial pressure
MCA	middle cerebral artery
MCT	methacholine challenge test
MCV	mean corpuscular volume; mean cell volume
MedAd	median study medication
MF	myelofibrosis
mg	milligram
MI	myocardial infarction
min	minute
mL	milliliter
mm	millimeter
mm ³	cubic millimeter
mmHg	millimeters of mercury
mmol	millimolar
mo	month
mol	mole
mPAP	mean pulmonary artery pressure
MPD	myeloproliferative disorder; maximal permissible dose [see context]
MPI	myocardial performance index
MRA	magnetic resonance angiography
MRI	magnetic resonance imaging
ms	millisecond
MSH	Study of Hydroxyurea for Sickle Cell Anemia
MTD	maximum tolerated dose

N

n	nano
<i>n</i>	sample size
<i>N</i>	population size
NA or N/A	not applicable
NC	not clear
ng	nanogram
ng/mL	nanograms per milliliter
NHANES	National Health and Nutrition Examination Survey
NHLBI	National Heart, Lung, and Blood Institute
NIH	National Institutes of Health
nmol	nanomole
NO or NO _x	nitric oxide
NR	not reported
NR/NC	not reported/not clear
NS	not significant; normal saline [see context]
ns	nanosecond

O

Obs	observational
OCP	oral contraceptive pill
Od or o.d.	<i>omni die</i> , every day
Op	Operation; opioid [see context]
OR	odds ratio

P

<i>p</i>	probability
P, Obs	prospective observational
PAH	pulmonary arterial hypertension
PaO ₂	symbol for partial pressure of oxygen in arterial blood
PASP	pulmonary artery systolic pressure
PCA	patient-controlled analgesia
pcMV	pressure-controlled mechanical ventilation
Pcr	plasma creatinine
PCV	packed cell volume
PCWP	pulmonary capillary wedge pressure
PEF	peak expiratory flow

PFT	pulmonary function test
pg	picogram
PH, PHT, PHTN	pulmonary hypertension
PICU	pediatric intensive care unit
PLC	propionyl-L-carnitine
plt	platelets
PMN	polymorphonuclear leukocytes
pmol	picomole
pO ₂ or PO ₂	partial oxygen pressure
POD	postoperative day
postop	postoperative
ppm	parts per million
PRBC	packed red blood cells
preop	preoperative
Prn	as needed
PSR	proliferative sickle retinopathy
PT	prothrombin time
PTT	partial thromboplastin time
PV	polycythemia vera
PVR	pulmonary vascular resistance
PWV	pulse wave velocity

Q

Q	quality
Q wave	the initial downward deflection of the QRS complex
QID or q.i.d.	<i>quater in die</i> ; 4 times a day
QOD	every other day
QTc	corrected QT interval

R

R wave	the initial upward deflection of the QRS complex
R, Obs	retrospective, observational
R-P, Obs	retrospective-prospective observational
RACA	right anterior cerebral artery
RAD	reactive airway disease
RBC	red blood cell
rCBF	regional cerebral blood flow
RCT	randomized controlled trial

RE	right extremity; right eye [see context]
retic	reticulocytes
Rev.	reviewer
RGD	arginyl-glycyl-aspartic acid (peptide)
RHC	right heart catheterization
RMCA	right middle cerebral artery
RPCA	right posterior cerebral artery
RR	relative risk
rTPA	recombinant tissue plasminogen activator
RV	right ventricle; right ventricular
RVEDD	right ventricular end-diastolic dimension
RVEF	right ventricular ejection fraction
RVESD	right ventricular end-systolic dimension
RVP	right ventricle pressure

S

s	seconds
S/O	hemoglobin SO Arab
S/O-Arab	hemoglobin SO-Arab
SA	substance abuse
SBP	systolic blood pressure
SCA	sickle cell anemia
SCD	sickle cell disease
SD	standard deviation
SEM	standard error of the mean
SF	serum ferritin
SLE	systemic lupus erythematosus
SPT	service perception test
STOP	Stroke Prevention Trial in Sickle Cell Anemia
sx	symptom

T

T wave	the first deflection in the electrocardiogram following the QRS complex
TACO	transfusion-associated circulatory overload
TAMMV	time-averaged mean of the maximum velocity
TCD	transcranial Doppler
TENS	transcutaneous electrical nerve stimulation

thal	thalassemia
TIA	transient ischemic attack
t.i.d.	<i>ter in die</i> ; three times a day
TLC	total lung capacity
TNF- α	tumor necrosis factor alpha
TRF2	telomeric repeat-binding factor 2
TRV, TRJV	tricuspid regurgitant velocity, tricuspid regurgitant jet velocity
TScr	tubular secretion of creatinine
tx	therapy

U

U	unit
UAE	urinary albumin excretion
μg	microgram
μl	microliter
ULN	upper limit of normal
μm	micrometer
μmol	micromole
UNTH Enugu	University of Nigeria Teaching Hospital at Enugu
US	ultrasound; ultrasonography
UTI	urinary tract infection

V

V/Q	ventilation-perfusion scan
V_1, V_2, V_3, V_3-V_6	unipolar electrocardiogram lead (1–6)
VAS	visual analogue scale
VC	Vital capacity
VCFc	velocity of circumferential fiber shortening
VOC	vaso-occlusive crisis
Vrft	velocity of regurgitant flow of tricuspid
vs.	versus

W

walk-PHaSST	Pulmonary Hypertension and Sickle Cell Disease with Sildenafil Therapy
WBC	white blood cell; white blood cell count
wt	weight

Y

yr	year
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Z

ZDV	zidovudine
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