Social Security Ruling, SSR 17–3p; Titles II and XVI: Evaluating Cases Involving Sickle Cell Disease (SCD)

AGENCY: Social Security Administration.

ACTION: Notice of Social Security Ruling (SSR).

SUMMARY: We are providing notice of SSR 17–3p. This SSR provides guidance on SCD and how we evaluate SCD in disability claims under titles II and XVI of the Social Security Act.

DATES: This SSR is applicable on September 15, 2017.

FOR FURTHER INFORMATION CONTACT: Cheryl A. Williams, Office of Disability Policy, Social Security Administration, 6401 Security Boulevard, Baltimore, Maryland 21235–6401, (410) 965–1020. For information on eligibility or filing for benefits, call our national toll-free number, 1–800–325–0778, or visit our Internet site, Social Security Online, at http://www.socialsecurity.gov.

SUPPLEMENTARY INFORMATION: Although 5 U.S.C. 552(a)(1) and (a)(2) do not require us to publish this SSR, we are doing so in accordance with 20 CFR 402.35(b)(1).

Through SSRs, we make available to the public predecedent decisions relating to the Federal old-age, survivors, disability, supplemental security income, and special veterans’ benefits programs. We may base SSRs on determinations or decisions made at all levels of administrative adjudication, Federal court decisions, Commissioner’s decisions, opinions of the Office of the General Counsel, or other interpretations of the law and regulations.

Although SSRs do not have the same force and effect as statutes or regulations, they are binding on all components of the Social Security Administration. 20 CFR 402.35(b)(1).

This SSR will remain in effect until we publish a notice in the Federal Register that rescinds it, or until we publish a new SSR that replaces or modifies it.

Questions 5 through 7 explain how adjudicators should evaluate SCD at various points of the adjudication process, including the adult and child hematological listings we consider.

List of Questions
1. What is SCD?
2. What are the different variants of SCD?
3. Is sickle cell trait a variant of SCD?
4. What are the common complications and symptoms of SCD?
5. How do we evaluate the complications of SCD under the hematological disorder listings?
6. How do we evaluate the complications of SCD when assessing residual functional capacity (RFC) for adults?
7. How do we evaluate the complications of SCD under functional equivalence for children?

Answers
1. What is SCD?

SCD is a type of hemolytic anemia and an inherited hematological disorder that affects the hemoglobin within a person’s red blood cells (RBC). Hemoglobin is the protein within RBC that carries oxygen. The abnormal hemoglobin makes the RBC more prone to distortion (“sickling”), which results in blocked blood vessels and a shortened RBC lifespan. Hemolytic anemia results when the abnormal RBC are destroyed faster than the body can produce them.

When hemoglobin is normal, a person’s RBC are round and easily travel through blood vessels, bringing oxygen to the body’s organs and tissues. SCD causes sickle-shaped RBC that are not flexible and can stick to vessel walls, causing blockages (vaso-occlusion) that slow or stop the flow of blood and oxygen. This blockage may in turn cause pain. Persons with SCD are predisposed to pain, infection, and other complications. Because people inherit SCD, the disease is present at birth, but the age when children display symptoms varies.

2. What are the different variants of SCD?

The different variants of SCD may indicate the severity of complications and the resulting functional limitations caused by SCD. Laboratory blood tests such as hemoglobin electrophoresis establish the existence and the variants

3. Is sickle cell trait a variant of SCD?

No, sickle cell trait is not a variant of SCD. Sickle cell trait refers to a condition in which a person has one sickle cell gene and one normal cell gene. People with sickle cell trait do not have SCD.

4. What are the common complications and symptoms of SCD?

The common complications and symptoms of SCD include pain, infections, blood clots, strokes, and organ damage. People with SCD may experience pain crises, which are sudden episodes of severe pain, often in the abdomen, chest, or joints.

5. How do we evaluate the complications of SCD under the hematological disorder listings?

We evaluate the complications of SCD under the hematological disorder listings by considering the functional limitations caused by SCD. We may base SSRs on determinations or decisions made at all levels of administrative adjudication, Federal court decisions, Commissioner’s decisions, opinions of the Office of the General Counsel, or other interpretations of the law and regulations.

6. How do we evaluate the complications of SCD when assessing residual functional capacity (RFC) for adults?

When evaluating a claim for disability, we consider the functional limitations caused by SCD when determining how they affect the person’s ability to work.

7. How do we evaluate the complications of SCD under functional equivalence for children?

We evaluate the complications of SCD under functional equivalence for children by considering the functional limitations caused by SCD when determining how they affect the child’s ability to participate in daily activities and chores.
of SCD. The following are the most common variants of SCD:

- **Hemoglobin (Hb) SS (HbSS)**—a person with this form of SCD inherits one sickle cell gene from each parent. HbSS is the most common and usually most severe form of SCD.

- **HbSC**—a person inherits one sickle cell gene from one parent, and another gene for an abnormal hemoglobin called “C” from the other parent. HbSC is usually a milder type of SCD.

- **Hb S-beta (Sβ) thalassemia**—a person inherits one sickle cell gene from one parent, and a gene for beta thalassemia from the other parent. There are two forms of beta thalassemia, sickle beta zero thalassemia (Hb Sβ0 thalassemia) and sickle beta plus thalassemia (Hb Sβ+ thalassemia). Sickle beta zero thalassemia is usually a more severe form of SCD. People with sickle beta plus thalassemia tend to have a milder form of SCD.

- **HbSD, HbSE, and HbSO**—people with these variants of SCD have one sickle cell gene plus another abnormal hemoglobin gene, “D,” “E,” or “O.” These are rarer types of SCD with varying severity.

3. Is sickle cell trait a variant of SCD?

No. Sickle cell trait is not a variant of SCD. Sickle cell trait occurs when a person inherits one sickle cell gene from one parent and a normal gene from the other parent. People with sickle cell trait rarely have signs and symptoms associated with SCD and usually do not need treatment.

However, in rare cases and under extreme conditions such as intense exercise, people with sickle cell trait have a higher risk of severe breakdown of muscle tissue (exertional rhabdomyolysis) that can lead to serious complications. In spite of this high risk, recent evidence indicates that sickle cell trait is not associated with an increased probability of death.

Sickle cell trait alone is not an impairment. As defined by the Social Security Act, an impairment must result from anatomical, physiological, or psychological abnormalities that can be shown by medically acceptable clinical and laboratory diagnostic techniques. To establish an impairment in this context, we require objective medical evidence (medical signs and laboratory findings) from an acceptable medical source of complications from sickle cell trait. In addition, a person’s complications from sickle cell trait must meet the statutory duration requirement, i.e., be expected to result in death or last or be expected to last for a continuous period of not less than 12 months. Therefore, we cannot find a person disabled due to sickle cell trait if there are no medical signs or laboratory findings of complications from sickle cell trait and the complications from sickle cell trait do not meet the duration requirement.

4. What are the common complications and symptoms of SCD?

Complications of SCD may include, but are not limited to pain crises, anemia, osteomyelitis, leg ulcers, pulmonary infections or infarctions, acute chest syndrome, pulmonary hypertension, chronic heart failure, gallbladder disease, liver failure, kidney failure, nephritic syndrome, aplastic crisis, stroke, and mental impairments such as depression. Examples of symptoms that may stem from these complications include pain, fatigue, malaise, shortness of breath, and difficulty feeding in infants. The symptoms of SCD vary from person to person and can change over time.

A. **Pain (vaso-occlusive) crisis** is a common complication of SCD. Pain crises are either acute or chronic. Acute pain crises occur suddenly when sickled RBC stop blood flow and reduce oxygen delivery. This pain can be intense, stabbing, or throbbing. Pain can take almost anywhere in the body and in more than one spot at a time. The pain often occurs in the lower back, legs, arms, abdomen, and chest. Chronic pain in SCD is more than a continuation of acute pain crisis. It usually occurs when lack of oxygen to the bone due to vaso-occlusion results in the death of bone tissue (avascular necrosis) at various joints such as the hips, shoulders and ankles.

B. **Anemia** is another complication of SCD. It occurs when sickled RBC die prematurely, which reduces the amount of oxygen-carrying hemoglobin in the blood. Symptoms from anemia can include fatigue, weakness, shortness of breath, and dizziness.

C. **Pulmonary complications** such as acute chest syndrome (ACS) and pulmonary hypertension are the leading cause of death for SCD patients. ACS is a vaso-occlusion of the pulmonary vessels. Symptoms of ACS include but are not limited to chest pain, fever, tachypnea (abnormally rapid breathing), wheezing, or coughing. Pulmonary hypertension can occur when sickled RBC cause pulmonary arteries to become narrow and blocked. The result of this damage to the pulmonary arteries is high blood pressure in the lungs. Symptoms of pulmonary hypertension include shortness of breath, fatigue, and chest pain.

D. **Strokes and silent strokes** affect people with SCD at a higher rate because sickled RBC clump along the walls of larger arteries going to the brain. Strokes can result in full or partial paralysis on one side of the body, problems with balance, or difficulty speaking or understanding. Silent strokes can occur without outward symptoms and are only detectable by brain imaging. However, silent strokes can impair intellectual ability, attention, visual-spatial skills, language, and long-term memory.

E. **Bacterial infections** are often severe complications in people with SCD. Anemia from SCD and vaso-occlusions can damage the spleen, which ultimately increases risk of infection and damages other organs. Infection frequently leads to hospitalization and is the primary cause of death in young children with SCD.

F. **Mental disorders** in people with SCD are often secondary to the impact of treatment, pain, and other symptoms. For example, depression from reoccurring pain is especially common.

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4 Other conditions that could be harmful for people with sickle cell trait include high altitudes, dehydration, low oxygen levels in the air, and increased pressure in the atmosphere. We evaluate impairments that result from sickle cell trait under the affected body system.


in people with SCD.12 Other mental disorders that may occur include, but are not limited to, anxiety and cognitive disorders from stroke.13

5. How do we evaluate the complications of SCD under the hematological disorder listings?

We may evaluate SCD under the following hematological disorder listings:

- Listing 7.05 and 107.05. Hemolytic anemias; or
- Listing 7.17 and 107.17. Hematological disorders treated by bone marrow or stem cell transplantation; or
- Listing 7.18. Repeated complications of hematological disorders.

Under listing 7.05 and 107.05, we assess hemolytic anemias, including sickle cell disease, thalassemia, and their variants. We evaluate pain crises caused by SCD under listings 7.05A and 107.05A. We assess complications of SCD requiring hospitalizations under listings 7.05B and 107.05B. Listings 7.05C and 107.05C describes the criteria we use to evaluate SCD that results in anemia with low hemoglobin levels.

Under listings 7.17 and 107.17, we consider people who receive bone marrow or stem cell transplantation to treat their SCD, to be disabled for at least 12 months after the date of transplant.

We evaluate adults who have repeated complications from SCD, but do not have the requisite findings for listing 7.05 or 7.17, under listing 7.18.14 To meet listing 7.18, SCD must cause repeated complications, resulting in significant, documented symptoms or signs and a “marked” level of limitation in one of the general areas of functioning: Activities of daily living, social functioning, or completing tasks because of deficiencies in concentration, persistence, or pace. We use listing 7.18 to evaluate only hematological disorders.15

If a person’s SCD does not meet a hematological listing, we will compare the specific findings in each case to any appropriate hematological listings to determine whether medical equivalence may exist. We may also find medical equivalence if the person has multiple impairments, including SCD, none of which meet or medically equal the requirements of a listing alone, but the combination of impairments is medically equivalent in severity to a listed impairment.

If the person’s SCD does not meet or equal the criteria in a listing, we will consider whether he or she has an impairment that satisfies the criteria in a listing in another body system. For example, we may evaluate the effects of intracranial bleeding or stroke under 11.00 or 12.00.

6. How do we evaluate the residual functional capacity (RFC) for adults?

For adults, we assess RFC when the effects of a person’s SCD, either alone or in combination with another impairment(s), do not meet or medically equal a listing. We base the RFC assessment on all the relevant evidence in the record, including the effects of treatment.16 In assessing RFC, we must consider all of a person’s work-related limitations, whether due to SCD, other impairment(s), or a combination of impairments. For example, adults with SCD may have pain, fatigue, and shortness of breath that may affect their ability to stand and walk. In addition, a person experiencing repeated acute pain crises may have difficulty maintaining concentration to complete tasks and have frequent absences from work.

7. How do we evaluate the complications of SCD under functional equivalence?17

Children with SCD that does not meet or medically equal a listing may nevertheless have an impairment(s) that functionally equals the listings under our rules for evaluating disability in children.18 When we determine whether a child’s impairment(s) functionally equal the listings, we use the six domains of functioning.

When we evaluate a child’s functioning in these six domains, we consider how the child functions compared to children the same age who do not have impairments. We must explain any limitation in a child’s ability to function appropriately for his or her age based on a medically determinable impairment(s).19 It is important to remember that the cumulative physical effects of SCD and its treatment can vary in kind and intensity, affecting each child differently. The six domains of functioning are:

Acquiring and using information. Some children with SCD may have limitations in acquiring and using information due to stroke, including silent stroke.20 A stroke can cause brain injury that impairs a child’s ability to learn, concentrate, speak, and remember.

Attending and completing tasks. Frequent pain crises can result in limitations in attending and completing tasks at school and at home.21 If a child does not feel well due to pain, it may be difficult for him or her to stay focused on activities long enough to complete them in an age-appropriate manner. A child with SCD who is experiencing pain may also have difficulty paying attention to details and may make mistakes on schoolwork due to an inability to concentrate.

Interacting and relating with others. SCD can also cause limitations interacting and relating with others.22 The unpredictable nature of pain in SCD may cause anxiety and difficulty maintaining relationships. Children suffering from complications of SCD may become withdrawn, uncooperative, or unresponsive.

Moving about and manipulating objects. If SCD limits a child’s ability to move and manipulate objects, we evaluate those effects in the domain of “Moving about and manipulating objects.”23 For example, sickling in the hip bones, knees, and ankles due to SCD may cause joint pain and problems with walking, running, and climbing up and down stairs.

Caring for yourself. Caring for yourself involves a child’s basic understanding of his or her body’s normal functioning see the CROSS-REFERENCES section at the end of this SSR.

14 We evaluate a child’s functioning under the rules for functional equivalence. See 20 CFR 416.926a.
15 We use listing 7.18 to evaluate hematological disorders and complications caused by hematological disorders. We can only evaluate anemia under 7.18 if it results from an underlying hematological disorder. If the person’s anemia results from a condition that is not a hematological disorder, we would evaluate the anemia under the listing for that impairment.
16 See 20 CFR 404.1545 and 416.945, and SSR 96–8p.
17 Functional equivalence applies only to claims for children over title XVI. All claims for title II, even if the claimant is under age 18, are decided under the adult rules.
18 See 20 CFR 416.926a, SSR 09–1p, 74 FR 7527 (2009) also available at https://www.ssa.gov/OP_Home/ rulings/ssi/02/SSR2009-01-ssi-02.html, and 74 FR 7529 (2009) also available at https://www.ssa.gov/OP_Home/rulings/ssi/02/ SSR2009-02-ssi-02.html. For the complete titles of all SSRs cited in this footnote and those following, see the CROSS-REFERENCES section at the end of this SSR.
19 See 20 CFR 416.924a(b) and 416.926a.
20 See 20 CFR 416.926a(g) and SSR 09–3p.
21 See 20 CFR 416.926a(h) and SSR 09–4p.
22 See 20 CFR 416.926a(i) and SSR 09–5p.
23 See 20 CFR 416.926a(j) and SSR 09–6p.
and the adequate emotional health for carrying out self-care tasks. A child with SCD may avoid taking medication or ignore complications of the disease out of frustration with the limitations of SCD.

Health and physical well-being. The ongoing effects of SCD and its treatment may affect a child's health and physical well-being. In this domain, we evaluate the effects of periodic exacerbations of pain crises due to sickle cell anemia. We consider the frequency and duration of the exacerbations as well as the extent to which they affect a child's ability to function physically.

This SSR is applicable on September 15, 2017.


[FR Doc. 2017–19551 Filed 9–14–17; 8:45 am]

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DEPARTMENT OF STATE

[Public Notice: 10119]

Cultural Property Advisory Committee; Notice of Meeting

AGENCY: Department of State.

ACTION: Notice of a meeting.

SUMMARY: The Department of State is issuing this notice to announce the location, date, time and agenda for the next meeting of the Cultural Property Advisory Committee.

DATES: October 23 through 25, 2017, 9:00 a.m. to 5:00 p.m. (EDT). The open session of the Cultural Property Advisory Committee will be held on October 23, 2017 at 10:00 a.m. (EDT). It will last approximately one hour. Participants will participate electronically. Those who wish to participate in the open session should visit http://culturalheritage.state.gov where information will be provided on how to access the meeting no later than October 16, 2017.

Written Comments: must be received no later than October 15, 2017, at 11:59 p.m. (EDT).

ADDRESSES: The meeting will be held at the U.S. Department of State, Annex 5, 2200 C St. NW. and the Harry S Truman Building, 2201 C St. NW., Washington, DC.

Comments: Methods of written comment submission are as follows:

• Electronic Comments: Use http://www.regulations.gov, enter the docket [DOS–2017–0036] and follow the prompts to submit comments.

• Paper Comments: Only send paper comments if comments contain privileged or confidential information (within the meaning of 19 U.S.C. 2605(i)(1)) to: U.S. Department of State, Bureau of Educational and Cultural Affairs—Cultural Heritage Center, SA–5 Floor 5, 2200 C St. NW., Washington, DC 20522–0505.

FOR FURTHER INFORMATION CONTACT: For general questions concerning the meeting, contact Catherine Foster, Bureau of Educational and Cultural Affairs—Cultural Heritage Center by phone, (202) 632–6301, or mail: CulProp@state.gov.

SUPPLEMENTARY INFORMATION: Pursuant to section 306(e)(2) of the Convention on Cultural Property Implementation Act (5 U.S.C. 2601 et seq.) (“the Act”), the Department is announcing a meeting of the Cultural Property Advisory Committee (“the Committee”). The Committee’s responsibilities are carried out in accordance with provisions of the Act. A portion of this meeting will be closed to the public pursuant to 5 U.S.C. 552(c)(9)(B) and 19 U.S.C. 2605.

Meeting Agenda: The Committee will review a proposal to extend the Memorandum of Understanding Between the Government of United States of America and the Government of the Kingdom of Cambodia Concerning the Imposition of Import Restrictions on Archaeological Material from Cambodia from the Bronze Age through the Khmer Era (“the Cambodia MOU”).

Open Session Participation: An open session of the meeting to receive oral public comments on the proposed extension of the Cambodia MOU will be held Monday, October 23, 2017, from 10:00 a.m. to 11:00 a.m. (EDT). The text of the Act and a copy of the Cambodia MOU may be found at http://culturalheritage.state.gov.

If you wish to make an oral presentation at the meeting, you must request to be scheduled by October 15, 2017 via email (culprop@state.gov), and you must submit a written summary of your oral presentation, ensuring that it is received no later than 11:59 p.m. (EDT) on October 15, 2017, via the Regulations.gov Web site listed in the “COMMENTS” section above. Oral comments will be limited to five (5) minutes to allow time for questions from members of the Committee. All oral comments must relate specifically to matters referred to in 19 U.S.C. 2602(a)(1), with respect to which the Committee makes its findings and recommendations. Oral presentation to the Committee may be requested but, due to time constraints, is not guaranteed.

Written Comments: If you do not wish to make oral comments but still wish to make your views known, you may submit written comments for the Committee to consider. Written comments from outside interested parties regarding the proposed extension of the Cambodia MOU must be received no later than October 15, 2017, at 11:59 p.m. (EDT). Your written comments should relate specifically to...