

**Azimova Sayyora Bakhtiyarjon kizi**  
**Ferghana Branch of the Republican Center for Specialized Endocrinology Scientific and**  
**Practical Medicine, Senior nurse**  
[azimovasayyoraxon@gmail.com](mailto:azimovasayyoraxon@gmail.com)

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## **FOOT CARE IN DIABETES: A VITAL ROUTINE**

**ABSTRACT:** This article is about for individuals with diabetes, proper foot care is not just a matter of comfort, it's a crucial aspect of overall health. Diabetes can affect the feet in several ways, leading to serious complications if not managed carefully. Here's why foot care is so important and how to keep your feet healthy.

**Key words:** Diabete, types, symptoms neuropathy, foot care.

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### Understanding Diabetes: A Comprehensive Guide

Diabetes is a chronic health condition affecting millions worldwide. It disrupts the body's ability to process glucose, leading to high blood sugar levels and a range of potential complications. Let's delve deeper into understanding this complex disease:

#### Types of Diabetes:

- \* Type 1 Diabetes: This autoimmune disease occurs when the body's immune system attacks and destroys insulin-producing cells in the pancreas. People with type 1 diabetes require lifelong insulin injections to survive.
- \* Type 2 Diabetes: This is the most common type, often linked to lifestyle factors such as obesity and physical inactivity. In type 2 diabetes, the body becomes resistant to insulin or doesn't produce enough of it.
- \* Gestational Diabetes: This type develops during pregnancy and usually resolves after delivery. However, women who have had gestational diabetes are at higher risk of developing type 2 diabetes later in life.[1]

#### Symptoms and Risk Factors:

Common symptoms of diabetes include:

- \* Frequent urination
- \* Excessive thirst
- \* Increased hunger
- \* Unexplained weight loss
- \* Fatigue
- \* Blurred vision

\* Slow-healing sores

\* Frequent infections

Risk factors for developing diabetes include:

\* Family history of diabetes

\* Obesity

\* Physical inactivity

\* Age (risk increases with age)

\* Ethnicity (certain ethnic groups are more susceptible)

\* High blood pressure

\* High cholesterol

\* History of gestational diabetes

Complications of Diabetes:

Uncontrolled diabetes can lead to various complications, including:

\* Cardiovascular disease: Increased risk of heart attack, stroke, and high blood pressure.

\* Nerve damage (neuropathy): Leading to numbness, tingling, pain, and loss of sensation, particularly in the feet.

\* Kidney disease (nephropathy): Potentially leading to kidney failure.

\* Eye damage (retinopathy): Can cause blindness if not treated.

\* Foot problems: Increased risk of infections, ulcers, and amputations due to nerve damage and poor circulation.

\* Skin conditions: More prone to bacterial and fungal infections.

\* Hearing impairment: Diabetes can damage the small blood vessels in the inner ear.[2]

Management and Treatment:

Diabetes management focuses on controlling blood sugar levels to prevent complications. Treatment options vary depending on the type and severity of diabetes:

\* Type 1 Diabetes: Requires lifelong insulin therapy, blood sugar monitoring, healthy eating, and regular physical activity.

\* Type 2 Diabetes: May be managed through lifestyle changes (diet and exercise), oral medications, and in some cases, insulin injections.

\* Gestational Diabetes: Often managed with dietary changes and exercise, but some women may need medication or insulin.

#### Living with Diabetes:

While diabetes is a chronic condition, it can be effectively managed with proper care and a healthy lifestyle. Here are some essential tips:

\* Follow your treatment plan: Take medications as prescribed, monitor blood sugar levels regularly, and keep appointments with your healthcare team.

\* Maintain a healthy diet: Focus on fruits, vegetables, whole grains, and lean protein. Limit sugary drinks and processed foods.

\* Engage in regular physical activity: Aim for at least 30 minutes of moderate-intensity exercise most days of the week.

\* Manage stress: Find healthy ways to cope with stress, as it can affect blood sugar levels.

\* Educate yourself: Learn as much as you can about diabetes to make informed decisions about your health.

\* Seek support: Connect with other people with diabetes or join a support group.

By understanding diabetes and taking proactive steps, you can live a healthy and fulfilling life. Remember, you are not alone – with proper management, diabetes can be controlled, and its complications.

#### Why is Foot Care Crucial for Diabetics?

\* Nerve Damage (Neuropathy): High blood sugar levels can damage nerves, particularly in the feet, leading to numbness, tingling, or loss of sensation. This makes it difficult to detect injuries or infections, which can worsen quickly.

\* Poor Circulation: Diabetes can also affect blood flow to the feet, hindering wound healing and increasing the risk of infections.

\* Foot Deformities: Nerve damage and poor circulation can contribute to changes in foot shape, such as hammertoes or Charcot foot, further increasing vulnerability to injury.[3]

#### Essential Foot Care Practices:

\* Daily Inspection: Check your feet every day for cuts, blisters, redness, swelling, or any changes in skin temperature or color. Use a mirror or ask a family member for help if needed.

\* Washing and Drying: Wash your feet daily with lukewarm water and mild soap. Dry them thoroughly, especially between the toes, to prevent fungal infections.

- \* Moisturizing: Apply a good quality moisturizer to prevent dryness and cracking, but avoid putting it between the toes.
- \* Proper Footwear: Choose comfortable shoes that fit well and provide good support. Avoid high heels, pointed toes, and shoes with open toes or heels.
- \* Trim Nails Carefully: Cut toenails straight across and file the edges to avoid ingrown nails. If you have difficulty, seek professional help.
- \* Professional Foot Care: See a podiatrist regularly for foot exams and treatment of any issues. They can also help with nail care and provide custom orthotics if needed.

#### Additional Tips:

- \* Blood Sugar Control: Maintaining good blood sugar control is essential for preventing or minimizing nerve damage and circulatory problems.
- \* Protect Your Feet: Wear shoes even indoors to avoid injuries.
- \* Avoid Walking Barefoot: This minimizes the risk of cuts or injuries.
- \* Quit Smoking: Smoking further reduces blood flow to the feet, worsening complications.
- \* Exercise Regularly: Engage in foot exercises to improve circulation.

Remember, early detection and proper care are key to preventing serious foot problems in diabetes. By following these guidelines and working closely with your healthcare team, you can maintain healthy feet and enjoy an active life.[4]

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