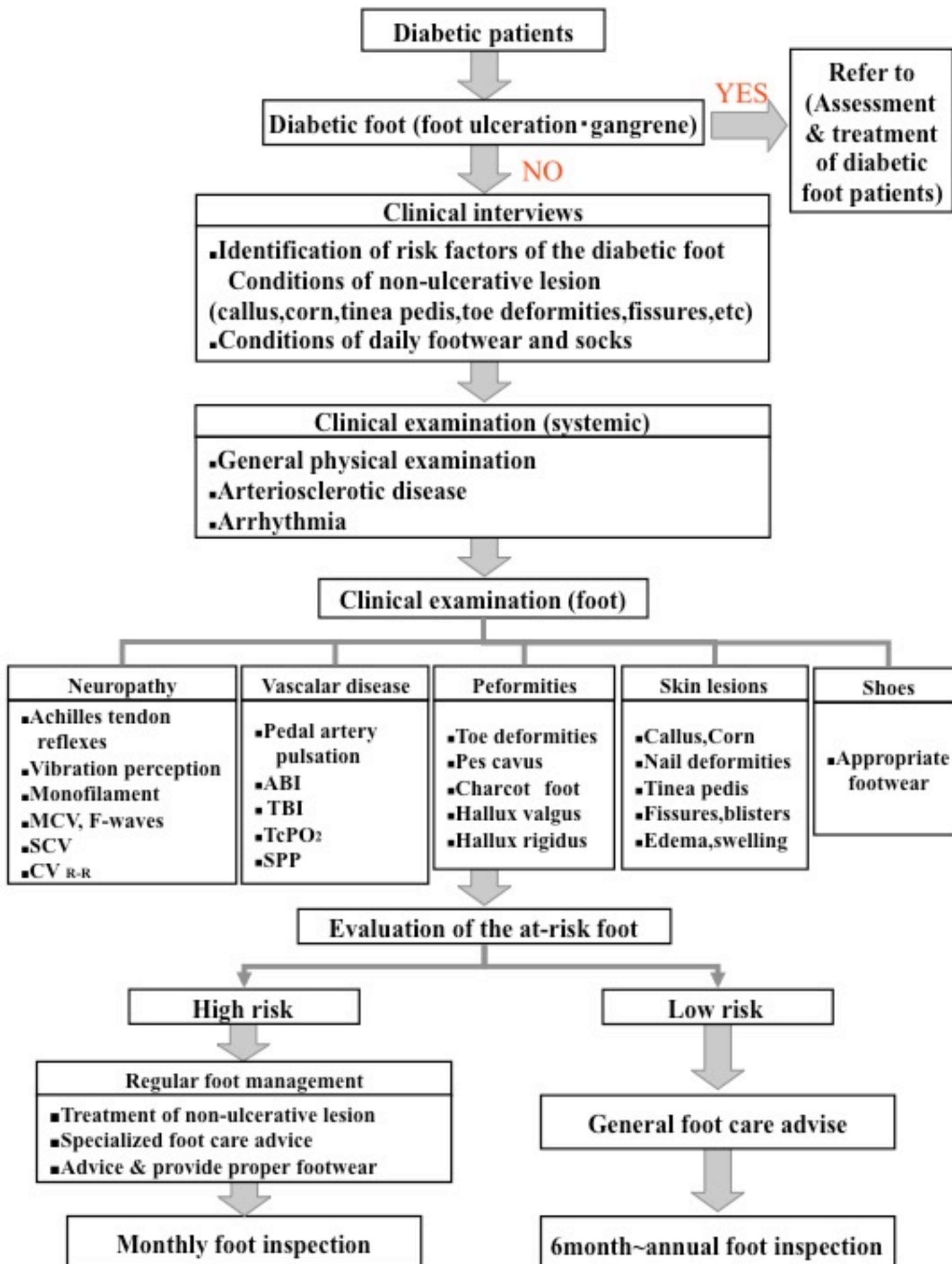


Foot Management for Diabetic Patients



Assessment & treatment of diabetic foot patients

Clinical interviews for diabetic foot patients

Intrinsic factors (Identification of risk factors)	Extrinsic factors (causes of the diabetic foot)	Foot lesions	Foot wear
<ul style="list-style-type: none">▪Duration of diabetes▪Condition of glycemic control▪Peripheral neuropathy▪Impaired vision▪Renal impairment▪PAD▪Callus,corn▪Foot deformities▪History of foot amputation▪Knowledge of foot care▪Compliance	<ul style="list-style-type: none">▪Shoe irritation▪Trauma▪Burns▪Ischemia▪Chemical drugs etc	<ul style="list-style-type: none">▪Date of onset▪Situation of onset▪Size,depth and process▪Redness,swelling, drainage▪Identification and process of necrosis▪Complications of fever,chill, general fatigue▪Identification of non-ulcerative pathology	<ul style="list-style-type: none">▪Types of daily footwear▪Purchasing standards▪Time / day of wearing footwear▪Identification of barefoot walking▪Specifying the shoes worn at the time of injury

Assessment & Treatment of Diabetic Foot Patients

Bedside assessment of diabetic foot patients

Systemic inspection

- Bruit at the inguinal and abdominal region
- Asymmetrical difference of the brachial blood pressure
- Arrhythmia
- General physical examination

Neuropathy

- Motor neuropathy
 - toe deformities
 - pes cavus
 - muscle atrophy of the lower limb
 - gait disturbance
 - Achilles tendon reflexes
- Autonomic neuropathy
 - dry skin
 - orthostatic hypotension
 - ECG (CVR-R)
- Sensory neuropathy
 - vibration perception (tuning fork)
 - touch/pressure perception (monofilaments)
 - tactile sensation (cotton wool)
 - pain sensation (pin prick)
 - temperature sensation (test tube with cold or hot water)

Vascular disease

- change in skin color, atrophy
- lower extremity arterial pulsation
- skin temperature
- blanching of the feet on elevation
- dependent rubor
- capillary refill time (normal value: <3 seconds)
- venous filling time (normal value: <20 seconds)
- ankle pressure (ABPI : $0.95 \leq$ normal value <1.3)
- segmental blood pressure measurement (difference of blood pressure between adjacent areas $<20\text{mmHg}$)
- toe pressure (TBI > 0.6)

Toe deformities

- toe deformities (hammer toes, claw toes)
- pes cavus
- Charcot foot
- hallux valgus
- hallux rigidus

Shoes, Socks

- appropriate footwear
- identification of blood stains and drainage

Joint mobility

- ankle joint
- subtalar joint
- first MTP joint

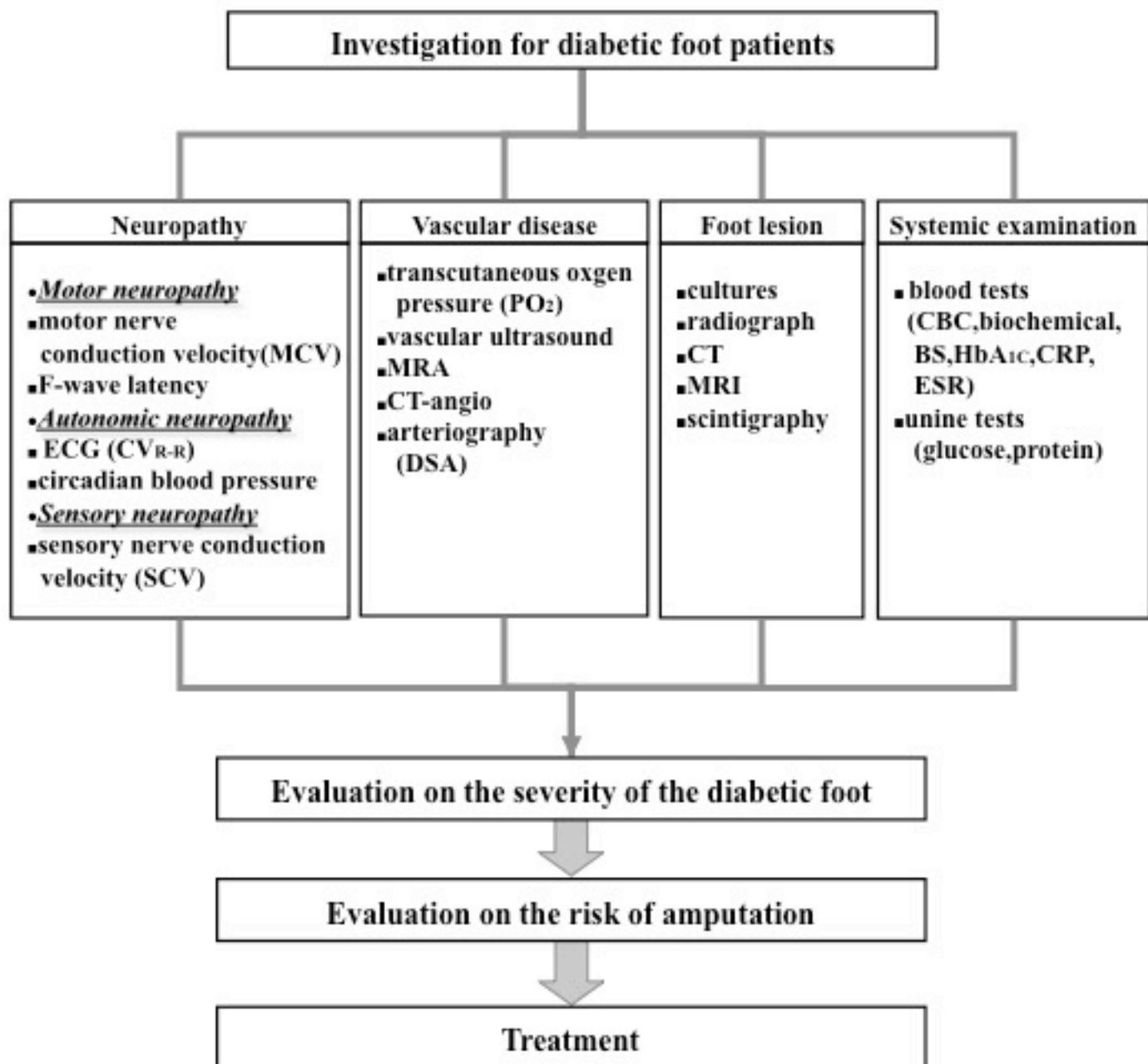
Clinical examination of the diabetic foot

- | | |
|--|-------------------------------|
| ▪ site | ▪ exudate |
| ▪ color | ▪ cellulitis, lymphangitis |
| ▪ size | ▪ abscess |
| ▪ depth | ▪ necrosis |
| ▪ condition of marginal areas of the ulcer | ▪ non-ulcerative skin lesions |

Evaluation on the severity of the diabetic foot

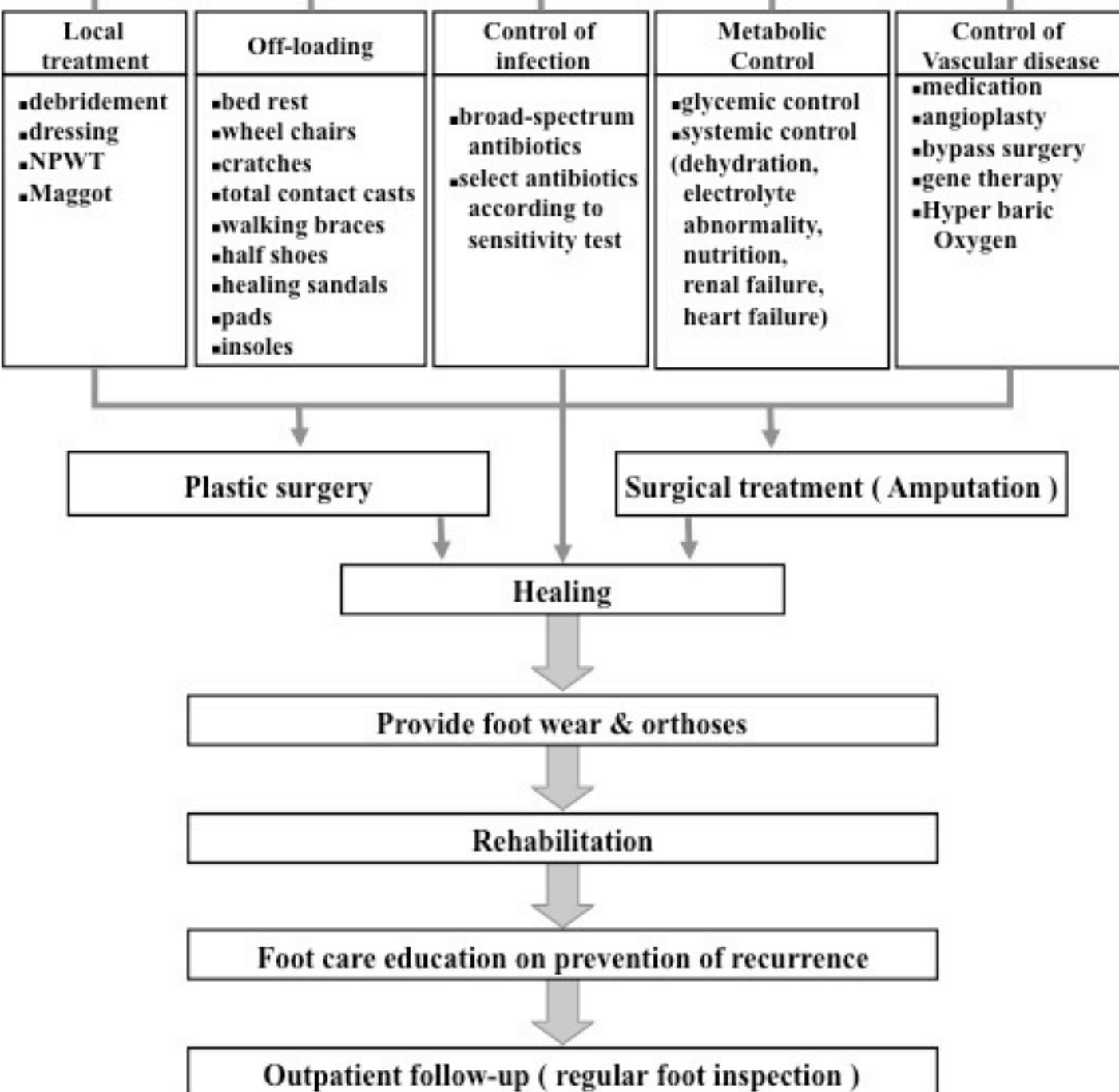
Investigation

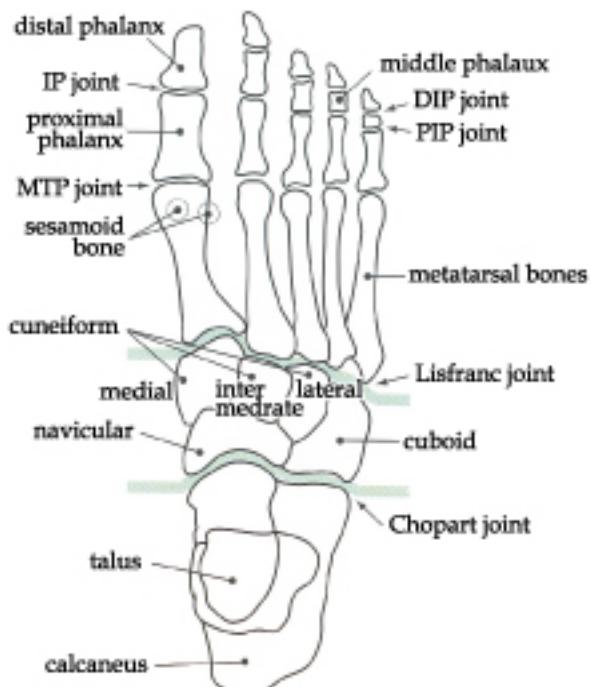
Assessment & treatment of diabetic foot patients



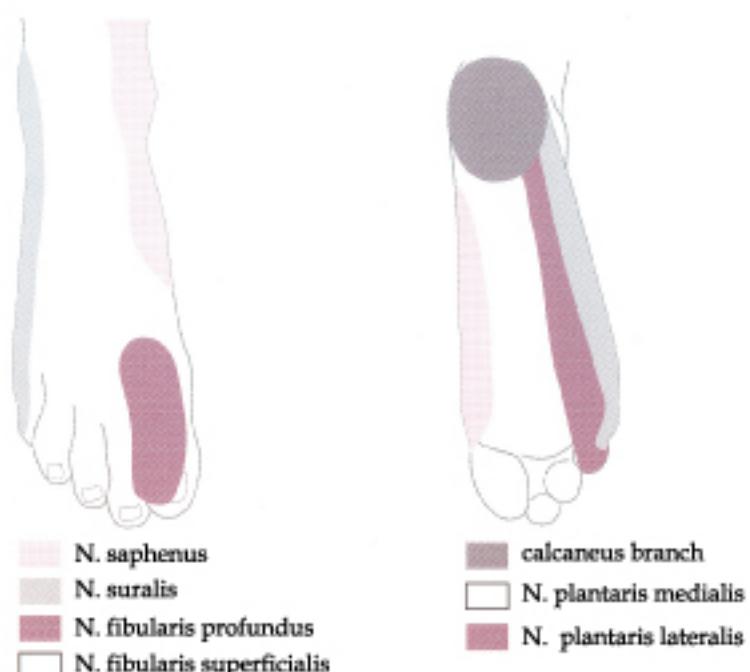
Assessment & treatment of diabetic foot patients

Treatment of diabetic foot patients

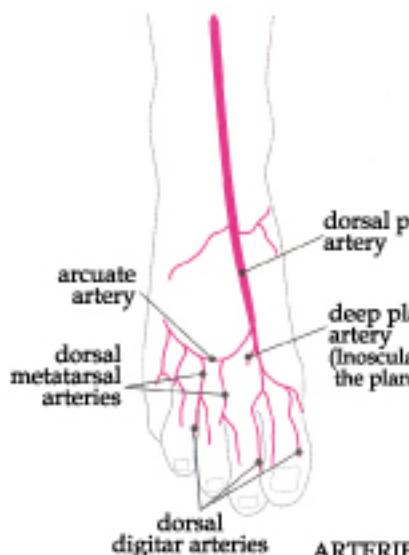




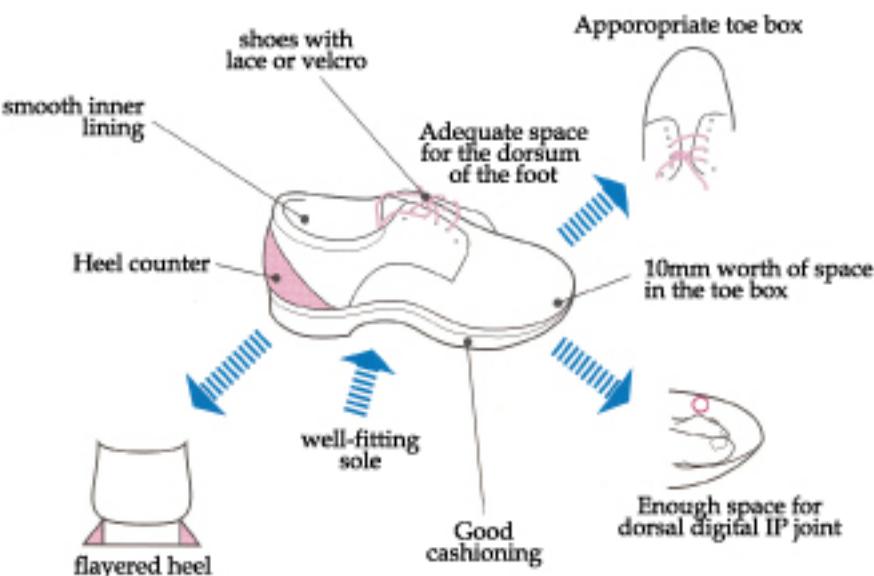
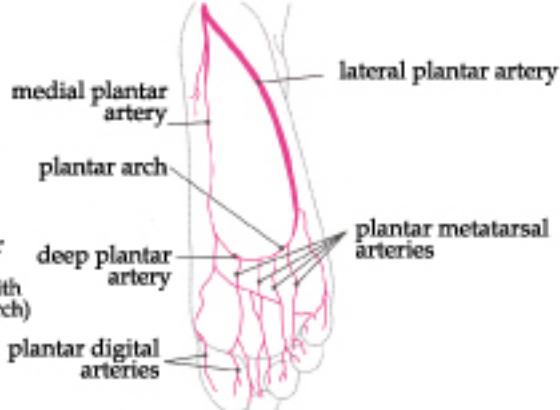
SKELETON OF THE FOOT



SENSORY NERVES OF THE FOOT



ARTERIES OF THE FOOT



SHOES FOR DIABETIC PATIENTS