



DIABETES

Care expertise across all risk classes

Structured. Guideline-compliant. Practice-oriented.

risk class	key medical finding	indications	care objective	standard care	What matters now?	 SPRINGER tools
0	no polyneuropathy (PNP), no peripheral arterial disease (PAD)	☐ no neuropathy ☐ no circulatory problem	prevention	ready-to-wear shoes designed for comfort	→ redirect pressure at an early stage → identify stress patterns → keep an eye on developments	 pressure-distributing orthotic blanks
1	deformity, but no PNP or PAD	☐ no PNP/PAD yet, but an orthopedic deformity	orthopedic correction	orthopedic footwear solutions for orthopedic indications		 EASYCAD – Milling or 3D-Print „Risk foot“ or „Bedding insoles“ libraries
2a	PNP or relevant PAD	☐ loss of sensation, but no tissue changes yet	protection against pressure and friction injuries	footwear suitable for diabetic foot syndrome with a soft cushioned sole		 EASYCAD – documentation as a basis for follow-up care
2b	PNP + additional criteria (pre-ulcerative, dialysis, etc.)	☐ loss of sensation accompanied by early tissue changes	targeted pressure redistribution	specialist footwear for diabetic foot syndrome with a diabetes-adapted insole (DAI)	→ visualise pressure → identify critical areas → compare care provision	 EASYCAD – Milling or 3D-Print CAD based construction
3	condition following an ulcer	☐ healed ulcer ☐ high risk of recurrence	prevention of recurrence	specialist footwear for diabetic foot syndrome, featuring a DAI and, if necessary, custom fitting		 pressure measurement system GP Radix
						 3D foot scanner / 3D scan app
4	class 2 or 3, deformities / disproportions	☐ cannot be fitted with a ready-made last	correcting structure and pressure	custom-made orthopedic shoes with DAI	→ prompt stabilisation → achieve a secure fit → predictable treatment, documentation	 EASYCAD – Milling or 3D-Print „3D bedding insoles“ library
5	inactive CNO (Charcot neuro-osteoarthropathy)	☐ radiological joint or bone damage ☐ structural abnormalities ☐ pseudoexostoses	stabilisation level control	custom-made shoes extending above the ankle, with DAI and orthotics if necessary		 custom-made orthopedic shoes
6	condition following foot amputation (≥ transmetatarsal)	☐ structural shortening ☐ altered load-bearing capacity	maintaining load-bearing capacity gait stability pressure redistribution	care such as risk class 4 and 5, and prosthetics if necessary		 3D foot scanner / 3D scan app
7a	non-plantar lesion	☐ acute wound or lesion outside the plantar weight-bearing area (e.g. dorsal, interdigital) ☐ where the foot is generally stable	wound protection pressure relief	bandage shoe (pair)	→ consistent off-loading → immobilisation → protection against further damage	 interim shoes / bandage shoes ‘Wound Class’
7b	active CNO	☐ reddened, swollen, warm foot with no open wound ☐ risk of bone caking if subjected to further strain	immobilisation of ankle movement and tibial rotation	non-removable knee-high brace / full-contact plaster cast		
7c	plantar lesion (excluding the heel)	☐ active plantar ulcer in the forefoot or midfoot region associated with PNP ± a mild to moderate infection or PAD	consistent offloading of the plantar pressure zone	non-removable knee-high brace / full-contact plaster cast bandage shoe		
7d	plantar heel lesion	☐ active ulcer in the heel area with a high risk of deep tissue damage and amputation	axial unloading condylar guidance	custom-made knee-high heel-relief orthosis / full-contact plaster cast		



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