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| **Abdominal Aorta diameter** = 02.2cm max AP  **LEFT LEG:**  CIA = Patent/Biphasic  EIA = Patent/ Patent/Bi-triphasic  CFA = Patent/Triphasic  **PFA = Borderline 50% stenosis at origin**  SFA = Diffusely narrowed with calcific atheroma proximal-mid thigh; Occluded IN distal thigh  Pop = Occluded  TPT = Diffusely calcified; Doppler signal obtained over certain small segments with monophasic waveforms  **Run off:**  ATA = Occluded throughout  PTA = Occluded in the calf; dampened monophasic waveforms at the ankle  Peroneal = Diffusely calficifed; unable to get any Doppler signal in proximal calf, Patent in mid-distal calf with monophasic waveforms  TPT: Monphasic waveforms detected in certain segments  Peroneal: No Doppler signal in proximal calf ?due to calcification/vessel depth/?occluded in prox calf  **Patent in mid-distal calf with monophasic waveforms** | | |
| Report:  **The aorto-iliac vessels are diffusely calcified.**  AORTO-ILIAC  The abdominal aorta is patent measuring a maximum of 2.2cm in the proximal segment.  The right common iliac artery could not be visualised. There is a borderline 50% stenosis in the mid EIA (PSV 186cm/sec; Pre-stenotic velocity 86cm/sec; VR= 2.16)  The left Common and External iliac arteries are patent with bi-triphasic waveforms detected.  LEFT LEG  **Diffusely calficifed lower limb arterial tree causing segmental visualisation and loss of Doppler signal.**  The Common Femoral artery is patent with triphasic waveforms detected; no significant stenosis noted.  There is a borderline 50% stenosis of the Profunda artery origin (PSV rising from 86cm/sec to 186cm/sec)  **The Superficial Femoral artery is diffusely narrowed in the proximal-mid thigh with calcific atheroma; monophasic waveforms are detected. The vessel occludes approximately 13-15cm above the knee crease.**  **The Poplitial artery is occluded throughout.**  The Tibio-Peroneal Trunk is diffusely calcified. Doppler signal detected in certain segments with monophasic waveforms.  **The Posterior Tibial artery is occluded in the calf. The vessel is patent although heavily diseased at the ankle; dampened monophasic waveforms are detected (PSV 11cm/sec) indicating reformation at this level.**  **The Anterior Tibial and Dorsalis Pedis arteries are occluded.**  The Peroneal artery is noted to be patent with monophasic flow detected in the mid-distal calf (PSV = 23cm/sec). No Doppler signal could be obtained in the proximal calf (?due to vessel depth/ heavy calcification/?occluded proximal segment) | | |
| **Conclusion**  AORTO-ILIAC  Borderline 50% stenosis **right** mid-EIA  LEFT LEG   * Borderline 50% PFA stenosis * Occluded distal SFA and PopA * Occluded ATA and DPA * Occluded PTA in the calf. Patent although heavily diseased at the ankle with monophasic flow. * Patent Peroneal arery mid-distal calf with monophasic waveforms. No Doppler signal in proximal calf ?occluded/?due to calcification | | |