

5. BÖLÜM

Telenjiektazi ve Retiküler Ven Tedavisi

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Giriş

Kronik venöz hastalıklar, retiküler, telenjiektazik ve variköz venlerden, ülser ve hiperpigmente cilt değişikliklerine kadar geniş bir spekturumu kapsamaktadır [1]. Variköz venler batılı toplumların yetişkin popülasyonunun %25 ini etkilemektedir. Bunlara retiküler ve telenjiektazik venler eklendiğinde bu oran erkeklerde %80 lere, kadınlarda ise %85 lere yükselmektedir [2]. Variköz venler için risk faktörleri yaşam tarzı, hormonal, kalımsal ve edinsel faktörler olarak kategorize edilebilir (Tablo 1)(2,3).

CEAP (Clinical, Etiological, Anatomical, Pathophysiological) sınıflamasının klinik 1 (C1) evresi retiküler ve/veya telenjiektazik venler olarak tanımlanmaktadır [4-6].

Retiküler Ven

Genişlemiş mavimsi ciltaltı tortioze venleri tarif etmektedir. 1-3 mm arasında çapa sahiptir. Ciltaltı ve mavi varisler olarak da tanımlanabilir [6].

Telenjiektazi

Telenjiektaziler kapiller dolaşımın venöz kısmında oluşan mor renkli genişlemiş yapılardır. Genellikle 0.1-1 mm arasında çapa sahip cilt venleridir. Örümcek (Spider), ağsı veya çizgisel varisler olarak da tanımlanırlar [6,7]. Venin, kapillerin veya arteriolün genişlemesi sonucu ortaya çıkabilir. Kapiller halkanın arteriol tarafından kaynağını alan telenjiektaziler parlak kırmızı küçük yapılar olup cilt yüzeyinden yukarı kabarmaz. Kapiller halkanın venöz tarafından gelişen telenjiek-

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Kaynaklar

1. Rafetto J.D, Eberhardt T.R. (2014). Chronic Venous Disorders: General Considerations. Jack L. Cronenwett, K. Wayne Johnston. Rutherford's Vascular Surgery, 8 Edition. (840-857). Philadelphia. Elsevier.
2. Piazza G. Varicose veins. *Circulation*. 2014;130: 582-587 doi: 10.1161/circulationaha.113.008331
3. Gourgou S, Dedieu F, Sancho-Garnier H. Lower limb venous insufficiency and tobacco smoking: a case-control study. *Am J Epidemiol*. 2002;155:1007–1015. doi:10.1093/aje/155.11.1007
4. Wittens C, Davies A.H, Bækgaard N, et al. Management of Chronic Venous Disease; Clinical Practice Guidelines of the European Society for Vascular Surgery (ESVS) *Eur J Vasc Endovasc Surg* (2015) 49, 678-737
5. Rabe E, Breu FX, Cavezzi A, et al. European guidelines for sclerotherapy in chronic venous disorders. *Phlebology*.2014 Jul;29(6):338-54. Doi: 10.1177/0268355513483280.
6. Smith P.C. Management of reticular veins and telangiectases. *Phlebology* 2015 Nov;30(2 Suppl):46-52. doi: 10.1177/0268355515592770.
7. Kavala A.A, Türkyılmaz S. Telenjiektazik venlerde skleroterapi ve komplikasyonları *Bakırköy Tıp Dergisi* 2018;14:222-5 DOI: 10.5350/BTDMJB.20180311035739
8. Tüzün H. Telenjiektazi ve Retiküler Ven Tedavisi; Skleroterapi,Transkutan Radyofrekans ve Lazer. *Kronik venöz yetersizlik Sempozyum Dizisi No: 56 • Nisan 2007; s. 115-119.*
9. Özcan S, Şenarslan D. Telenjiektazi ve retiküler venlerde skleroterapi. *Bozok Tıp Derg.* 2012,1:(11-16)
10. Alos J, Carreno P, Lopez J.A, et al. Efficacy and safety of sclerotherapy using polidocanol foam: A controlled clinical trial. *Eur J Vasc Endovasc Surg* 31, 101–107 (2006) doi:10.1016/j.ejvs.2005.08.018
11. Cabrera J, Cabrera Jr J, Garcı́a-Olmedo MA. Treatment of varicose long saphenous veins with sclerosant in microfoam form: long-term outcomes. *Phlebology* 2000;15:19–23.
12. Bergan JJ, Schmid-Schönbein GW, Smith PD, et al. Chronic venous disease. *N Engl J Med*. 2006;355:488–498.
13. Eklöf B, Rutherford RB, Bergan JJ, et al. American Venous Forum International Ad Hoc Committee for Revision of the CEAP Classification. Revision of the CEAP classification for chronic venous disorders: consensus statement. *J Vasc Surg*. 2004;40:1248–1252.
14. Kahraman N, Demir D. Efficacy of foam sclerotherapy accompanied by near infrared light and duplex ultrasonography in treatment of symptomatic recurrent varicose veins: A retrospective cohort study. *Surg Med*. 2019;3(1):82-87. doi: 10.28982/josam.517231
15. Gloviczki P, Comerota A.J, Dalsing M.C, et al. The care of patients with varicose veins and associated chronic venous diseases: Clinical practice guidelines of the Society for Vascular Surgery and the American Venous Forum. *J Vasc Surg* 2011;53:2S-48S. doi:10.1016/j.jvs.2011.01.079
16. Nicolaidis AN, Allegra C, Bergan J, et al. Management of chronic venous disorders of the lower limbs: guidelines according to scientific evidence. *Int Angiol* 2008;27:1-59.
17. Myers KA, Jolley D, Clough A, et al. Outcome of Ultrasound-guided Sclerotherapy for Varicose Veins: Medium-term Results Assessed by Ultrasound Surveillance. *Eur J Vasc Endovasc Surg* 2007; 33: 116–21.

18. Guex JJ. Ultrasound guided sclerotherapy (USGS) for perforating veins. *Hawaii Med J* 2000; 59: 261–2.
19. Masuda EM, Kessler DM, Lurie F, et al. The effect of ultrasound guided sclerotherapy of incompetent perforator veins on venous clinical severity scores. *J Vasc Surg* 2006; 43: 551–6.
20. Van Neer P, Veraart JCJM and Neumann H. Posterolateral thigh perforator varicosities in 12 patients: a normal deep venous system and successful treatment with ultrasound-guided sclerotherapy. *Dermatol Surg* 2006; 32: 1346–52.
21. Feied CF, Jackson JJ, Bren TS, et al. Allergic reactions to polidocanol for vein sclerosis. *J Dermatol Surg Oncol* 1994; 20: 466–8.
22. Pradalier A, Vincent D, Hentschel V, et al. Allergie aux sclérosants des varices. *Rev Fr Allergol* 1995; 35: 440–3.
23. Oesch A, Stirnemann P and Mahler F. The acute ischemic syndrome of the foot after sclerotherapy of varicose veins. *Schweiz Med Wochenschr* 1984; 114: 1155–8.
24. Grommes J, Franzen EL, Binneboesel M, et al. Inadvertent arterial injection using catheter-assisted sclerotherapy resulting in amputation. *Dermatol Surg* 2010; 37: 536–8.
25. Goldman MP, Sadick NS and Weiss RA. Cutaneous necrosis, telangiectatic matting and hyperpigmentation following sclerotherapy. *Dermatol Surg* 1995; 21: 19–29.
26. Schuller-Petrovic S, Brunner F, Neuhold N, et al. Subcutaneous injection of liquid and foamed polidocanol: extravasation is not responsible for skin necrosis during reticular and spider vein sclerotherapy. *JEADV* 2011; 25: 983–6.
27. Bergan JJ, Weiss RA and Goldman MP. Extensive tissue necrosis following high concentration sclerotherapy for varicose veins. *Dermatol Surg* 2000; 26: 535–42.
28. Bihari I and Magyar E. Reasons for ulceration after injection treatment of telangiectasia. *Dermatol Surg* 2001; 27: 133–6.
29. Geukens J, Rabe E and Bieber T. Embolia cutis medicamentosa of the foot after sclerotherapy. *Eur J Dermatol* 1999; 9: 132–3.
30. Ramelet AA and Parmentier L. Delayed Nicolau's Livedoid dermatitis after ultrasound-guided sclerotherapy. *Dermatol Surg* 2010; 36: 155–8.
31. Busch RG, Derrick M and Manjoney D. Major neurological events following foam sclerotherapy. *Phlebology* 2008; 23: 189–92.
32. Leslie-Mazwi TM, Avery LL and Sims JR. Intra-arterial air thrombogenesis after cerebral air embolism complicating lower extremity sclerotherapy. *Neurocrit Care* 2009; 11: 97–100.
33. De Laney MC, Bowe CT and Higgins GLIII. Acute stroke from air embolism after leg Sclerotherapy. *West J Emerg Med* 2010; 11: 397.
34. Ma RWL, Pilotelle A, Paraskevas P et al. Three cases of stroke following peripheral venous interventions. *Phlebology* 2011; 26: 280–4.
35. Gillet JL. Neurological complications of foam sclerotherapy: fears and reality. *Phlebology* 2011; 26: 277–9.
36. Jia X, Mowatt G, Burr JM, et al. Systematic review of foam sclerotherapy for varicose veins. *Br J Surg* 2007; 94: 925–36.
37. Reich-Schupke S, Weyer K, Altmeyer P and Stücker M. Treatment of varicose tributaries with sclerotherapy with polidocanol 0.5% foam. *Vasa* 2010; 39: 169–74.
38. Georgiev MJ. Postsclerotherapy hyperpigmentations: a one-year follow-up. *Dermatol Surg Oncol* 1990; 16: 608–10.

39. Scultetus AH, Villavicencio JL, Kao TC, et al. Microthrombectomy reduces postsclerotherapy pigmentation: multicenter randomized trial. *J Vasc Surg* 2003; 38: 896–903.
40. Rabe E, Pannier-Fischer F, Gerlach H, et al. Guidelines for sclerotherapy of varicose veins (ICD 10: I83.0, I83.1, I83.2, and I83.9). *Dermatol Surg* 2004;30:687-93.
41. Tessari L, Cavezzi A, Frullini A. Preliminary experience with a new sclerosing foam in the treatment of varicose veins. *Dermatol Surg* 2001;27:58-60.
42. Bergan J. Sclerotherapy: a truly minimally invasive technique. *Perspect Vasc Surg Endovasc Ther* 2008;20:70-2.
43. Kaudewitz P, Klovekorn W, Rother W. Effective treatment of leg vein telangiectasia with a new 940 nm diode laser. *Dermatol Surg* 2001;27:101e6.
44. Eremia S, Li C, Umar SH. A side-by-side comparative study of 1064 nm Nd:YAG, 810 nm diode and 755 nm alexandrite lasers for treatment of 0.3e3 mm leg veins. *Dermatol Surg* 2002;28:224e30.
45. Weiss RA, Weiss MA. Early clinical results with a multiple synchronized pulse 1064 NM laser for leg telangiectasias and reticular veins. *Dermatol Surg* 1999;25:399e402.
46. Lupton JR, Alster TS, Romero P. Clinical comparison of sclerotherapy versus long-pulsed Nd:YAG laser treatment for lower extremity telangiectases. *Dermatol Surg* 2002;28:694e
47. Tepavcevic B, Matic P, Radak D. Comparison of sclerotherapy, laser, and radiowave coagulation in treatment of lower extremity telangiectasias. *J Cosmet Laser Ther* 2012;14:239e42.
48. Dover JS, Sadick NS, Goldman MP. The role of lasers and light sources in the treatment of leg veins. *Dermatol Surg* 1999;25: 328e35.
49. Klein A, Baumler W, Koller M, et al. Indocyanine green-augmented diode laser therapy of telangiectatic leg veins: a randomized controlled proof-of-concept trial. *Lasers Surg Med* 2012;44: 69e76.
50. Sadick NS, Weiss RA, Goldman MP. Advances in laser surgery for leg veins: bimodal wavelength approach to lower extremity vessels, new cooling techniques, and longer pulse durations. *Dermatol Surg* 2002;28:16e20.
51. McDaniel DH, Ash K, Lord J, et al. Laser therapy of spider leg veins: clinical evaluation of a new long pulsed alexandrite laser. *Dermatol Surg* 1999;25:52e8.