

## References - Serous PED

1. Murphy RP, Yeo JH, Green WR, et al. Dehiscences of the pigment epithelium. *Trans Am Ophthalmol Soc* 1985;83:63-81.
2. Gass JD. Pathogenesis of disciform detachment of the neuroepithelium. *Am J Ophthalmol* 1967;63(Suppl):S1-S139.
3. Anderson DH, Mullins RF, Hageman GS, et al. A role for local inflammation in the formation of drusen in the aging eye. *Am J Ophthalmol* 2002;134:411-31.
4. Hutchinson AK, Grossniklaus HE, Capone A. Giant-cell reaction in surgically excised subretinal neovascular membrane. *Arch Ophthalmol* 1993;111:734-5.
5. Oh H, Takagi H, Takagi C, et al. The potential angiogenic role of macrophages in the formation of choroidal neovascular membranes. *Invest Ophthalmol Vis Sci* 1999;40:1891-8.
6. Hartnett ME, Weiter JJ, Garsd A, et al. Classification of retinal pigment epithelial detachments associated with drusen. *Graefes Arch Clin Exp Ophthalmol* 1992;230:11-9.
7. Kuhn D, Meunier I, Soubrane G, et al. Imaging of chorioretinal anastomoses in vascularized retinal pigment epithelium detachments. *Arch Ophthalmol* 1995;113:1392-8.
8. Slakter JS, Yannuzzi LA, Schneider U, et al. Retinal choroidal anastomoses and occult choroidal neovascularization in age-related macular degeneration. *Ophthalmology* 2000;107:742-53, discussion 753-4.
9. Green WR, McDonnell PJ, Yeo JH. Pathologic features of senile macular degeneration. *Ophthalmology* 1985;92:615-27.
10. Casswell AG, Kohen D, Bird AC. Retinal pigment epithelial detachments in the elderly: classification and outcome. *Br J Ophthalmol* 1985;69:397-403.
11. Yannuzzi LA. Retinal pigment epithelial detachment, in Yannuzzi LA (ed): *Laser Photocoagulation of the Macula*. Philadelphia, Lippincott, 1989, pp 49-63.
12. Gass JD. Serous retinal pigment epithelial detachment with a notch. A sign of occult choroidal neovascularization. *Retina* 1984;4:205-20.
13. Yannuzzi LA, Slakter JS, Sorenson JA, et al. Digital indocyanine green videoangiography and choroidal neovascularization. *Retina* 1992;12:191-223.
14. Guyer DR, Yannuzzi LA, Slakter JS, et al. Digital indocyanine-green videoangiography of occult choroidal neovascularization. *Ophthalmology* 1994;101:1727-35, discussion 1735-7.
15. Yannuzzi LA, Hope-Ross M, Slakter JS, et al. Analysis of vascularized pigment epithelial detachments using indocyanine green videoangiography. *Retina* 1994;14:99-113.
16. Flower RW, Csaky KG, Murphy RP. Disparity between fundus camera and scanning laser ophthalmoscope indocyanine green imaging of retinal pigment epithelium detachments. *Retina* 1998;18:260-8.
17. Cohen SY, Creuzat-Garcher C, Darmon J, et al. Types of choroidal neovascularisation in newly diagnosed exudative age-related macular degeneration. *Br J Ophthalmol* 2007;91: 1173-1176.
18. Wolf S, Remky A, Elsner AE, et al. Indocyanine green video angiography in patients with age-related maculopathy-related retinal pigment epithelial detachments. *Ger J Ophthalmol* 1994;3:224-7.
19. Parodi MB, Iacono P, Papayannis A, Kontadakis SD, Cascavilla M, Pierro L, Gagliardi M, Bandello F. Intravitreal ranibizumab for pigment epithelium detachment with subfoveal occult choroidal neovascularization: a prospective 24-month case series. *Am J Ophthalmol* 2013;155(1):103-108.
20. Yannuzzi LA, Negrao S, Iida T, et al. Retinal angiomatous proliferation in age-related macular degeneration. *Retina* 2001; 21:416-434.

21. Gass JDM, Agarwal A, Lavina AM, et al. Focal inner retinal hemorrhages in patients with drusen. An early sign of occult choroidal neovascularization and chorioretinal anastomosis. *Retina* 2003; 23:741-751.
22. Freund KB, Ho IV, Barbazetto IA, et al. Type 3 neovascularization: the expanded spectrum of retinal angiomatous proliferation. *Retina* 2008;28(2):201-11.
23. Axer-Siegel R, Bourla D, Priel E, Yassur Y, Weinberger D. Angiographic and flow patterns of retinal choroidal anastomoses in age-related macular degeneration with occult choroidal neovascularization. *Ophthalmology* 2002;109: 1726-1736.
24. Yannuzzi LA, Wong DW, Sforzolini BS, et al. Polypoidal choroidal vasculopathy and neovascularized age-related macular degeneration. *Arch Ophthalmol* 1999;117:1503-1510.
25. Yannuzzi LA, Ciardella A, Spaide RF. The expanding clinical spectrum of idiopathic polypoidal choroidal vasculopathy. *Arch Ophthalmol* 1997;115:478-85.
26. Spaide RF, Yannuzzi LA, Slakter JS. Indocyanine green videoangiography of idiopathic polypoidal choroidal vasculopathy. *Retina* 1995;15:100-10.
27. Sato T, Iida T, Hagimura N, et al. Correlation of optical coherence tomography with angiography in retinal pigment epithelial detachment associated with age-related macular degeneration. *Retina* 2004;24:910-4.
28. Coscas F, Coscas G, Souied E, et al. Optical coherence tomography identification of occult choroidal neovascularization in age-related macular degeneration. *Am J Ophthalmol* 2007;144:592-599.
29. Coscas G. Optical coherence tomography in age-related macular degeneration. (ed) Springer Medizin Verlag Heidelberg 2009: pp 201-203.
30. Brancato R, Introini U, Pierro L, et al. Optical coherence tomography in Retinal angiomatous proliferation *Eur J Ophthalmol* 2002; 12:467-472.
31. Coscas G. Optical coherence tomography in age-related macular degeneration. (ed) Springer Medizin Verlag Heidelberg 2009: pp 277-279.
32. Iijima H, Imai M, Gohdo T, Tsukahara S. Optical coherence tomography of idiopathic polypoidal choroidal vasculopathy. *Am J Ophthalmol* 1999;127:301-305.
33. Otsuji T, Takahashi K, Fukushima I, Uyama M. Optical coherence tomographic findings of idiopathic polypoidal choroidal vasculopathy. *Ophthalmic Surg Lasers* 2000;31:210-214.
34. Klein ML, Obertynski H, Patz A, et al. Follow-up study of detachment of the retinal pigment epithelium. *Br J Ophthalmol* 1980;64:412-6.
35. Pauleikhoff D, Loeffert D, Spital G, et al. Pigment epithelial detachment in the elderly. Clinical differentiation, natural course and pathogenetic implications. *Graefes Arch Clin Exp Ophthalmol* 2002;240:533-538.
36. Bird AC, Marshall J. Retinal pigment epithelial detachments in the elderly. *Trans Ophthalmol Soc UK* 1986;105:674-82.
37. Gass JD. Pathogenesis of tears of the retinal pigment epithelium. *Br J Ophthalmol* 1984;68:513-9.
38. Lafaut BA, Aisenbrey S, Vanden Broecke C, et al. Clinicopathological correlation of retinal pigment epithelial tears in exudative age related macular degeneration: pretear, tear, and scarred tear. *Br J Ophthalmol* 2001;85:454-60.
39. Zayit-Soudry S, Moroz I, Loewenstein A. Retinal pigment epithelial detachment. *Surv Ophthalmol* 2007; 52(3):227-243.
40. Hoskin A, Bird AC, Sehmi K. Tears of detached retinal pigment epithelium. *Br J Ophthalmol* 1981;65:417-22.
41. Giovannini A, Amato G, Mariotti C, et al. Optical coherence tomography in the assessment of retinal pigment epithelial tear. *Retina* 2000;20:37-40.
42. Coscas G, Koenig F, Soubrane G. The pretear characteristics of pigment epithelial detachments. A

study of 40 eyes. *Arch Ophthalmol* 1990;108:1687-169.

43. Chang LK, Sarraf D. Tears of the retinal pigment epithelium: an old problem in a new era. *Retina* 2007;27(5):523-534.
44. Nagiel A, Freund KB, Spaide RF, Munch IC, Larsen M, Sarraf D. Mechanism of retinal pigment epithelium tear formation following intravitreal anti-vascular endothelial growth factor therapy revealed by spectral-domain optical coherence tomography. *Am J Ophthalmol* 2013;156(5):981-988.e982.
45. Doguizi S, Ozdek S. Pigment epithelial tears associated with anti-VEGF therapy: incidence, long-term visual outcome, and relationship with pigment epithelial detachment in age-related macular degeneration. *Retina* 2014;34(6):1156-1162.
46. Clemens CR, Bastian N, Alten F, Milojcic C, Heiduschka P, Eter N. Prediction of retinal pigment epithelial tear in serous vascularized pigment epithelium detachment. *Acta Ophthalmol* 2014;92(1):e50-56.
47. Gass JD. Retinal pigment epithelial rip during krypton red laser photocoagulation. *Am J Ophthalmol* 1984;98:700-6.
48. Pece A, Introini U, Bottoni F, et al. Acute retinal pigment epithelial tear after photodynamic therapy. *Retina* 2001;21:661-5.
49. Gelisken F, Inhoffen W, Partsch M, et al. Retinal pigment epithelial tear after photodynamic therapy for choroidal neovascularization. *Am J Ophthalmol* 2001;131:518-20.
50. Michels S, Aue A, Simader C, et al. Retinal pigment epithelium tears following verteporfin therapy combined with intravitreal triamcinolone. *Am J Ophthalmol* 2006;141:396-398.
51. Dhalla MS, Blinder KJ, Tewari A, et al. Retinal pigment epithelial tear following intravitreal pegaptanib sodium. *Am J Ophthalmol* 2006; 141(4): 752-754.
52. Nicolo M, Ghiglione D, Calabria G. Retinal pigment epithelial tear following intravitreal injection of bevacizumab (Avastin). *Eur J Ophthalmol* 2006;17:770-773.
53. Weinberger AW, Thiel M, Mohammadi B, et al. Retinal pigment epithelium tears after intravitreal bevacizumab in pigment epithelium detachment. *Am J Ophthalmol* 2007; 144(2): 294-296.
54. Lee GKY, Lai TYY, Chan WM, Lam DSC. Retinal pigment epithelial tear following intravitreal ranibizumab injections for neovascular age-related macular degeneration. *Graefes Arch Clin Exp Ophthalmol* 2007; 245(8): 1225-7.
55. Carvounis PE, Kopel AC, Benz MS. Retinal pigment epithelium tears following ranibizumab for exudative age-related macular degeneration. *Am J Ophthalmol* 2007;143: 504-505.
56. Bakri SJ, Kitzmann AS. Retinal pigment epithelial tear after intravitreal ranibizumab. *Am J Ophthalmol* 2007;143:505-507.
57. Chang LK, Sarraf D. Tears of the retinal pigment epithelium. An old problem in a new era. *Retina* 2007; 27: 523-34.
58. Introini U, Torres Gimeno A, Scotti F, Setaccioli M, Giatsidis S, Bandello F. Vascularized retinal pigment epithelial detachment in age-related macular degeneration: treatment and RPE tear incidence. *Graefes Arch Clin Exp Ophthalmol* 2012 Sep;250(9):1283-92.
59. Meyer CH, Toth CA. Retinal pigment epithelial tear with vitreomacular traction: a novel pathogenic feature. *Graefes Arch Clin Exp Ophthalmol* 2001;239:325-333.
60. Bressler NM, Finklestein D, Sunness JS, et al. Retinal pigment epithelial tears through the fovea with preservation of good visual acuity. *Arch Ophthalmol* 1990;108:1694-7.
61. Chang B, Yannuzzi LA, Ladas ID, et al. Choroidal neovascularization in second eyes of patients with unilateral exudative age-related macular degeneration. *Ophthalmology* 1995;102:1380-6.
62. Yannuzzi LA. [Retinal pigment epithelial detachment]. *J Fr Ophtalmol* 1989;12:761-74.
63. Brancato R, Introini U, Bolognesi G, et al. ICGA-guided laser photocoagulation of occult choroidal

neovascularization in age-related macular degeneration. *Retina* 2000;20:134-42.

64. Goldstein M, Heilweil G, Barak A, Loewenstein A. Retinal pigment epithelial tear following photodynamic therapy for choroidal neovascularization secondary to AMD. *Eye* 2005; 19(12):1315-1324.
65. Axer-Siegel R, Ehrlich R, Avisar I, et al. Combined photodynamic therapy and intravitreal triamcinolone acetonide injection for neovascular age-related macular degeneration with pigment epithelium detachment. *Ophthalmic Surg Lasers Imaging* 2006; 37(6):455-461.
66. Lai TY, Chan WM, Liu DT, Lam DS. Ranibizumab for retinal angiomatous proliferation in neovascular age-related macular degeneration. *Graefes Arch Clin Exp Ophthalmol* 2007; 245(12):1877-1880.
67. Meyerle CB, Freund KB, Iturralde D, et al. Intravitreal bevacizumab (Avastin) for retinal angiomatous proliferation. *Retina* 2007; 27(4):451-457.
68. Kook D, Wolf A, Neubauer AS, et al. Retinal pigment epithelial tears after intravitreal injection of bevacizumab for AMD. Frequency and progress. *Ophthalmologie* 2008; 105(2):158-164.
69. Lommatzsch A, Heimes B, Gutfleisch M, et al. Serous pigment Epithelial detachment in age-related macular degeneration: comparison of different treatments. *Eye* 2009; 23(12):2163-8.
70. Waldstein SM, Simader C, Staurengi G, et al. Morphology and Visual Acuity in Aflibercept and Ranibizumab Therapy for Neovascular Age-Related Macular Degeneration in the VIEW Trials. *Ophthalmology* 2016;123(7):1521-9.
71. He L, Silva RA, Moshfeghi DM, et al. Aflibercept for the treatment of retinal pigment epithelial detachments. *Retina* 2016;36:492-498.
72. de Massoungnes S, Dirani A, Ambresin A, Decugis D, Marchionno L, Mantel I. Pigment epithelial detachment response to aflibercept in neovascular age-related macular degeneration refractory to ranibizumab: Time Course and Drug Effects. *Retina* 2016;36(5):881-8.
73. Kumar N, Marsiglia M, Mrejen S, et al. Visual and anatomical outcomes of intravitreal aflibercept in eyes with persistent subfoveal fluid despite previous treatments with ranibizumab in patients with neovascular age-related macular degeneration. *Retina* 2013;33:1605-1612.
74. Patel KH, Chow CC, Rathod R, et al. Rapid response of retinal pigment epithelial detachments to intravitreal aflibercept in neovascular age-related macular degeneration refractory to bevacizumab and ranibizumab. *Eye (Lond)* 2013;27:663-667.
75. Dirani A, Ambresin A, Marchionno L, Decugis D, Mantel I. Factors Influencing the Treatment Response of Pigment Epithelium Detachment in Age-Related Macular Degeneration. *Am J Ophthalmol* 2015;160(4):732-8.
76. Cho HJ, Kim KM, Kim HS, Lee DW, Kim CG, Kim JW. Response of Pigment Epithelial Detachment to Anti-Vascular Endothelial Growth Factor Treatment in Age-Related Macular Degeneration. *Am J Ophthalmol* 2016;166:112-9.
77. Sarraf D, London NJ, Khurana RN, et al. Ranibizumab Treatment for Pigment Epithelial Detachment Secondary to Neovascular Age-Related Macular Degeneration: Post Hoc Analysis of the HARBOR Study. *Ophthalmology* 2016;123(10):2213-24.
78. Chen X, Al-Sheikh M, Chan CK, et al. Type 1 versus type 3 neovascularization in pigment epithelial detachments associated with age-related macular degeneration after anti-vascular endothelial growth factor therapy: A Prospective Study. *Retina* 2016;36 Suppl 1:S50-S64.

[View PDF](#)