

## References - Surgery in AMD

1. Macular Photocoagulation Study Group. Laser photocoagulation of subfoveal neovascular lesions in age-related macular degeneration. Results of a randomized clinical trial. *Arch Ophthalmol* 1991;109(9):1220-1231.
2. Macular Photocoagulation Study Group. Laser photocoagulation of subfoveal recurrent neovascular lesions in age-related macular degeneration. Results of a randomized clinical trial. *Arch Ophthalmol* 1991;109(9):1232-1241.
3. Macular Photocoagulation Study Group. Laser photocoagulation of subfoveal neovascular lesions of age-related macular degeneration. Updated findings from two clinical trials. *Arch Ophthalmol* 1993;111(9):1200-1209.
4. Krebs I, Brannath W, Glittenberg C, Zeiler F, Sebag J, Binder S. Posterior vitreomacular adhesion: a potential risk factor for exudative age-related macular degeneration? *Am J Ophthalmol* 2007;144(5):741-746.
5. Schulze S, Hoerle S, Mennel S, Kroll P. Vitreomacular traction and exudative age-related macular degeneration. *Acta Ophthalmol* 2008;86(5):470-481.
6. Lee SJ, Lee CS, Koh HJ. Posterior vitreomacular adhesion and risk of exudative age-related macular degeneration: paired eye study. *Am J Ophthalmol* 2009;147(4):621-626.
7. Mojana F, Cheng L, Bartsch DU, Silva GA, Kozak I, Nigam N, Freeman WR. The role of abnormal vitreomacular adhesion in age-related macular degeneration: spectral optical coherence tomography and surgical results. *Am J Ophthalmol* 2008;146(2):218-227.
8. Foulds WS. Factors influencing visual recovery in retinal detachment surgery. *Trans Ophthalmol Soc U K* 1980;100(Pt 1):72-77.
9. Machemer R, Steinhorst UH. Retinal separation, retinotomy, and macular relocation: I. Experimental studies in the rabbit eye. *Graefes Arch Clin Exp Ophthalmol* 1993;231(11):629-634.
10. Machemer R, Steinhorst UH. Retinal separation, retinotomy, and macular relocation: II. A surgical approach for age-related macular degeneration? *Graefes Arch Clin Exp Ophthalmol* 1993;231(11):635-641.
11. Machemer R. Macular translocation. *Am J Ophthalmol* 1998;125(5):698-700.
12. Wolf S, Lappas A, Weinberger AW, Kirchhof B. Macular translocation for surgical management of subfoveal choroidal neovascularizations in patients with AMD: first results. *Graefes Arch Clin Exp Ophthalmol* 1999;237(1):51-57.
13. Eckardt C, Eckardt U, Conrad HG. Macular rotation with and without counter-rotation of the globe in patients with age-related macular degeneration. *Graefes Arch Clin Exp Ophthalmol* 1999;237(4):313-325.
14. Ninomiya Y, Lewis JM, Hasegawa T, Tano Y. Retinotomy and foveal translocation for surgical management of subfoveal choroidal neovascular membranes. *Am J Ophthalmol* 1996;122(5):613-621.
15. Toth CA, Machemer R. Macular translocation. In: Berger JW, Fine SL, Maguire MG, eds. *Age-related macular degeneration*. Saint-Louis, USA. Mosby. 1999;353-362.
16. Holgado S, Enyedi LB, Toth CA, Freedman SF. Extraocular muscle surgery for extorsion after macular translocation surgery new surgical technique and clinical management. *Ophthalmology* 2006;113(1):63-69.
17. Pertile G, Claes C. Macular translocation with 360 degree retinotomy for management of age-related macular degeneration with subfoveal choroidal neovascularization. *Am J Ophthalmol* 2002;134(4):560-565.
18. Aisenbrey S, Bartz-Schmidt KU, Walter P, Hilgers RD, Ayertey H, Szurman P, Thumann G. Long-term follow-up of macular translocation with 360 degrees retinotomy for exudative age-related macular degeneration. *Arch Ophthalmol* 2007;125(10):1367-1372.

19. van Romunde SHM, Polito A, Bertazzi L, Guerriero M, Pertile G.. Long-term results of full macular translocation for choroidal neovascularization in age-related macular degeneration. *Ophthalmology* 2015;122(7):1366-1374.
20. Chen FK, Patel PJ, Uppal GS, Tufail A, Coffey PJ, Da Cruz L.. Long-term outcomes following full macular translocation surgery in neovascular age-related macular degeneration. *Br J Ophthalmol* 2010;94(10):1337-1343.
21. American Academy of Ophthalmology. Macular translocation. *Ophthalmology* 2000;107(5):1015-1018.
22. Charles S, Calzada J, Wood B. Submacular surgery and macular translocation. In: Charles S, Calzada J, Wood B, eds. *Vitreous microsurgery*. Fourth Edition. Philadelphia, USA. Lippincott Williams & Wilkins. 2007;14:163-171.
23. Mruthyunjaya P, Stinnett SS, Toth CA. Change in visual function after macular translocation with 360 degrees retinectomy for neovascular age-related macular degeneration. *Ophthalmology* 2004;111(9):1715-1724.
24. Toth CA, Lapolice DJ, Banks AD, Stinnett SS. Improvement in near visual function after macular translocation surgery with 360-degree peripheral retinectomy. *Graefes Arch Clin Exp Ophthalmol* 2004;242(7):541-548.
25. Wong D, Stanga P, Briggs M, Lenfestey P, Lancaster E, Li KK, Lim KS, Groenewald C. Case selection in macular relocation surgery for age related macular degeneration. *Br J Ophthalmol* 2004;88(2):186-190.
26. Uppal G, Milliken A, Lee J, Acheson J, Hykin P, Tufail A, da CL. New algorithm for assessing patient suitability for macular translocation surgery. *Clin Experiment Ophthalmol* 2007;35(5):448-457.
27. Aisenbrey S, Lafaut BA, Szurman P, Grisanti S, Luke C, Krott R, Thumann G, Fricke J, Neugebauer A, Hilgers RD, Esser P, Walter P, Bartz-Schmidt KU. Macular translocation with 360 degrees retinotomy for exudative age-related macular degeneration. *Arch Ophthalmol* 2002;120(4):451-459.
28. Vugler A, Carr AJ, Lawrence J, Chen LL, Burrell K, Wright A, Lundh P, Semo M, Ahmado A, Gias C, da Cruz L, Moore H, Andrews P, Walsh J, Coffey P. Elucidating the phenomenon of HESC-derived RPE: anatomy of cell genesis, expansion and retinal transplantation. *Exp Neurol* 2008;214(2):347-61.
29. Terasaki H, Ishikawa K, Suzuki T, Nakamura M, Miyake K, Miyake Y. Morphologic and angiographic assessment of the macula after macular translocation surgery with 360 degrees retinotomy. *Ophthalmology* 2003;110(12):2403-8.
30. De Juan E Jr, Loewenstein A, Bressler NM, Alexander J. Translocation of the retina for management of subfoveal choroidal neovascularization II: a preliminary report in humans. *Am J Ophthalmol* 1998;125(5):635-646.
31. Pieramici DJ, de Juan E Jr, Fujii GY, Reynolds SM, Melia M, Humayun MS, Schachat AP, Hartranft CD. Limited inferior macular translocation for the treatment of subfoveal choroidal neovascularization secondary to age-related macular degeneration. *Am J Ophthalmol* 2000;130(4):419-428.
32. Fujii GY, de Juan E Jr, Pieramici DJ, Humayun MS, Phillips S, Reynolds SM, Melia M, Schachat AP. Inferior limited macular translocation for subfoveal choroidal neovascularization secondary to age-related macular degeneration: 1-year visual outcome and recurrence report. *Am J Ophthalmol* 2002;134(1):69-74.
33. Fujii GY, Pieramici DJ, Humayun MS, Schachat AP, Reynolds SM, Melia M, de Juan E Jr. Complications associated with limited macular translocation. *Am J Ophthalmol* 2000;130(6):751-762.
34. Eandi CM, Giansanti F, Virgili G. Macular translocation for neovascular age-related macular degeneration. *Cochrane Database Syst Rev* 2008;(4):CD 006928.
35. De Juan E Jr, Machemer R. Vitreous surgery for hemorrhagic and fibrous complications of age-related macular degeneration. *Am J Ophthalmol* 1988;105(1):25-29.
36. Lambert HM, Capone A Jr, Aaberg TM, Sternberg P Jr, Mandell BA, Lopez PF. Surgical excision of subfoveal neovascular membranes in age-related macular degeneration. *Am J Ophthalmol*

1992;113(3):257-262.

37. Berger AS, Kaplan HJ. Clinical experience with the surgical removal of subfoveal neovascular membranes. Short-term postoperative results. *Ophthalmology* 1992;99(6):969-975.
38. Thomas MA, Grand MG, Williams DF, Lee CM, Pesin SR, Lowe MA. Surgical management of subfoveal choroidal neovascularization. *Ophthalmology* 1992;99(6):952-968.
39. Bressler NM. Submacular surgery. Are randomized trials necessary? *Arch Ophthalmol* 1995;113(12):1557-1560.
40. Bressler NM, Bressler SB, Hawkins BS, Marsh MJ, Sternberg P Jr, Thomas MA. Submacular surgery trials randomized pilot trial of laser photocoagulation versus surgery for recurrent choroidal neovascularization secondary to age-related macular degeneration: I. Ophthalmic outcomes submacular surgery trials pilot study report number 1. *Am J Ophthalmol* 2000;130(4):387-407.
41. Conti SM, Kertes PJ. Surgical management of age-related macular degeneration. *Can J Ophthalmol* 2005;40(3):341-351.
42. Ibanez HE, Williams DF, Thomas MA, Ruby AJ, Meredith TA, Boniuk I, Grand MG. Surgical management of submacular hemorrhage. A series of 47 consecutive cases. *Arch Ophthalmol* 1995;113(1):62-69.
43. Wade EC, Flynn HW Jr, Olsen KR, Blumenkranz MS, Nicholson DH. Subretinal hemorrhage management by pars plana vitrectomy and internal drainage. *Arch Ophthalmol* 1990;108(7):973-978.
44. Lewis H. Intraoperative fibrinolysis of submacular hemorrhage with tissue plasminogen activator and surgical drainage. *Am J Ophthalmol* 1994;118(5):559-568.
45. Grossniklaus HE, Gass JD. Clinicopathologic correlations of surgically excised type 1 and type 2 submacular choroidal neovascular membranes. *Am J Ophthalmol* 1998;126(1):59-69.
46. Grossniklaus HE, Green WR. Histopathologic and ultrastructural findings of surgically excised choroidal neovascularization. Submacular Surgery Trials Research Group. *Arch Ophthalmol* 1998;116(6):745-749.
47. Soloman S, Dong LM, Haller JA, Gilson MM, Hawkins BS, Bressler NM; SST research group and the SST adverse event review committee. Risk factors for rhegmatogenous retinal detachment in the submacular surgery trials. *Retina* 2009;29(6):819-824.
48. Hawkins BS, Bressler NM, Miskala PH, Bressler SB, Holekamp NM, Marsh MJ, Redford M, Schwartz SD, Sternberg P Jr, Thomas MA, Wilson DJ. Surgery for subfoveal choroidal neovascularization in age-related macular degeneration: ophthalmic findings: SST report no. 11. *Ophthalmology* 2004;111(11):1967-1980.
49. Miskala PH, Bass EB, Bressler NM, Childs AL, Hawkins BS, Mangione CM, Marsh MJ. Surgery for subfoveal choroidal neovascularization in age-related macular degeneration: quality-of-life findings: SST report no. 12. *Ophthalmology* 2004;111(11):1981-1992.
50. Bressler NM, Bressler SB, Childs AL, Haller JA, Hawkins BS, Lewis H, MacCumber MW, Marsh MJ, Redford M, Sternberg P Jr, Thomas MA, Williams GA. Surgery for hemorrhagic choroidal neovascular lesions of age-related macular degeneration: ophthalmic findings: SST report no. 13. *Ophthalmology* 2004;111(11):1993-2006.
51. Childs AL, Bressler NM, Bass EB, Hawkins BS, Mangione CM, Marsh MJ, Miskala PH. Surgery for hemorrhagic choroidal neovascular lesions of age-related macular degeneration: quality-of-life findings: SST report no. 14. *Ophthalmology* 2004;111(11):2007-2014.
52. Thumann G, Aisenbrey S, Schraermeyer U, Lafaut B, Esser P, Walter P, Bartz-Schmidt KU. Transplantation of autologous iris pigment epithelium after removal of choroidal neovascular membranes. *Arch Ophthalmol* 2000;118(10):1350-1355.
53. Binder S, Stolba U, Krebs I, Kellner L, Jahn C, Feichtinger H, Povelka M, Frohner U, Kruger A, Hilgers RD, Krugluger W. Transplantation of autologous retinal pigment epithelium in eyes with foveal neovascularization resulting from age-related macular degeneration: a pilot study. *Am J Ophthalmol* 2002;133(2):215-225.

54. Van Meurs JC, ter AE, Hofland LJ, van Hagen PM, Mooy CM, Baarsma GS, Kuijpers RW, Boks T, Stalmans P. Autologous peripheral retinal pigment epithelium translocation in patients with subfoveal neovascular membranes. *Br J Ophthalmol* 2004;88(1):110-113.
55. Bindewald A, Roth F, Van MJ, Holz FG. Transplantation von retinalem Pigmentepithel (RPE) nach CNV-Exzision bei altersabhängiger Makuladegeneration. *Techniken, Ergebnisse und Perspektiven. Ophthalmologie* 2004;101(9):886-894.
56. Aisenbrey S, Lafaut BA, Szurman P, Hilgers RD, Esser P, Walter P, Bartz-Schmidt KU, Thumann G. Iris pigment epithelial translocation in the treatment of exudative macular degeneration: a 3-year follow-up. *Arch Ophthalmol* 2006;124(2):183-188.
57. Binder S, Krebs I, Hilgers RD, Abri A, Stolba U, Assadoulina A, Kellner L, Stanzel BV, Jahn C, Feichtinger H. Outcome of transplantation of autologous retinal pigment epithelium in age-related macular degeneration: a prospective trial. *Invest Ophthalmol Vis Sci* 2004;45(11):4151-4160.
58. Peyman GA, Blinder KJ, Paris CL, Alturki W, Nelson NC Jr, Desai U. A technique for retinal pigment epithelium to extensive subfoveal scarring. *Ophthalmic Surg* 1991;22(2):102-108.
59. Algvare PV, Berglin L, Gouras P, Sheng Y. Transplantation of fetal retinal pigment epithelium in age-related macular degeneration with subfoveal neovascularization. *Graefes Arch Clin Exp Ophthalmol* 1994;32(12):707-716.
60. Algvare PV, Berglin L, Gouras P, Sheng Y, Kopp ED. Transplantation of RPE in age-related macular degeneration: Observations in disciform lesions and dry RPE atrophy. *Graefes Arch Clin Exp Ophthalmol* 1997;35(3):149-158.
61. Stanga PE, Kychenthal A, Fitzke FW, Halfyard AS, Chan R, Bird AC, Aylward GW. Retinal pigment epithelium translocation after choroidal neovascular membrane removal in age-related macular degeneration. *Ophthalmology* 2002;109(8):1492-1498.
62. MacLaren RE, Bird AC, Sathia PJ, Aylward GW. Long-term results of submacular surgery combined with macular translocation of the retinal pigment epithelium in neovascular age-related macular degeneration. *Ophthalmology* 2005;112(12):2081-2087.
63. van Meurs JC, Van Den Biesen PR. Autologous retinal pigment epithelium and choroid translocation in patients with exudative age-related macular degeneration: short-term follow-up. *Am J Ophthalmol* 2003;136(4):688-695.
64. Van Zeeburg EJ, Maaijwee KJ, Missotten TO, Heimann H, van Meurs JC. A free retinal pigment epithelium-choroid graft in patients with exudative age-related macular degeneration: Results up to 7 years. *Am J Ophthalmol*. 2012;153(1):120e7.e2.
65. MacLaren RE, Uppal GS, Balaggan KS, Tufail AD, Ali RR, Aylward GW, DaCruz L. RPE Patch Graft Auto-Transplantation in Macular Degeneration: A Prospective Cohort Study. *ARVO*. Fort Lauderdale, USA, Apr 30-May 4, 2006. *Invest Ophthalmol Vis Sci* 2006; 47(13):2693.
66. Jousen AM, Heussen FM, Joeres S, Llacer H, Prinz B, Rohrschneider K, Maaijwee KJ, Van MJ, Kirchhof B. Autologous translocation of the choroid and retinal pigment epithelium in age-related macular degeneration. *Am J Ophthalmol* 2006;142(1):17-30.
67. Jousen AM, Joeres S, Fawzy N, Heussen FM, Llacer H, van Meurs JC, Kirchhof B. Autologous translocation of the choroid and retinal pigment epithelium in patients with geographic atrophy. *Ophthalmology* 2007;114(3):551-560.
68. MacLaren RE, Uppal GS, Balaggan KS, Tufail A, Munro PM, Milliken AB, Ali RR, Rubin GS, Aylward GW, da CL. Autologous transplantation of the retinal pigment epithelium and choroid in the treatment of neovascular age-related macular degeneration. *Ophthalmology* 2007;114(3):561-570.
69. Treumer F, Bunse A, Klatt C, Roider J. Autologous retinal pigment epithelium-choroid sheet transplantation in age related macular degeneration: morphological and functional results. *Br J Ophthalmol* 2007;91(3):349-353.
70. Treumer F, Klatt C, Roider J. Autologe RPE-Chorioidea-Translokation bei exsudativer AMD. Eine Falldemonstration 10 konsekutiver Patienten. *Ophthalmologie* 2007;104(9):795-802.
71. Maaijwee K, Heimann H, Missotten T, Mulder P, Jousen A, Van MJ. Retinal pigment epithelium and choroid translocation in patients with exudative age-related macular degeneration: long-term results. *Graefes Arch Clin Exp Ophthalmol* 2007;45(11):1681-1689.
72. Maaijwee KJ, van Meurs JC, Kirchhof B, Mooij CM, Fischer JH, Mackiewicz J, Kobuch K, Jousen AM.

Histological evidence for revascularisation of an autologous retinal pigment epithelium--choroid graft in the pig. *Br J Ophthalmol* 2007;91(4):546-550.

73. Parolini, B, Alkabes, M, Baldi, A, Pinackatt, S. Visual recovery after autologous retinal pigment epithelium and choroidal patch in a patient with choroidal neovascularization secondary to angioid streaks: long-term results. *Retin Cases Brief Rep.* 2016 Fall;10(4):368-72.
74. Maaijwee K, Van Den Biesen PR, Missotten T, Van Meurs JC. Angiographic evidence for revascularization of an rpe-choroid graft in patients with age-related macular degeneration. *Retina* 2008;28(3):498-503.
75. Cereda MG, Parolini B, Bellesini E, Pertile G. Surgery for CNV and autologous choroidal RPE patch transplantation: exposing the submacular space. *Graefes Arch Clin Exp Ophthalmol* 2010;248:37-47.
76. Converse JM, Rapaport FT. The vascularisation of skin autografts and homografts. *Ann Surg* 1956;120:306-316.
77. Bennett SR, Folk JC, Blodi CF, Klugman M. Factors prognostic of visual outcome in patients with subretinal hemorrhage. *Am J Ophthalmol* 1990;109(1):33-37.
78. Berrocal MH, Lewis ML, Flynn HW Jr. Variations in the clinical course of submacular hemorrhage. *Am J Ophthalmol* 1996;122(4):486-493.
79. Glatt H, Machemer R. Experimental subretinal hemorrhage in rabbits. *Am J Ophthalmol* 1982;94(6):762-773.
80. Toth CA, Morse LS, Hjelmeland LM, Landers MB, III. Fibrin directs early retinal damage after experimental subretinal hemorrhage. *Arch Ophthalmol* 1991;109(5):723-729.
81. Lewis H, Resuick SC, Flannery JG, Straatsma BR. Tissue plasminogen activator treatment of experimental subretinal hemorrhage. *Am J Ophthalmol* 1991;111:197-204.
82. Peyman GA, Nelson NCJ, Alturki W, Blinder KJ, Paris CL, Desai UR, Harper CA 3rd. Tissue plasminogen activating factor assisted removal of subretinal hemorrhage. *Ophthalmic Surg* 1991;22(10):575-82.
83. Kamei M, Tano Y. Tissue plasminogen activator-assisted vitrectomy: surgical drainage of submacular hemorrhage. *Dev Ophthalmol* 2009;44:82-88.
84. Herriot WJ. Further experience in management of submacular hemorrhage with intravitreal tPA. *Proceedings of the 1997 Update on Macular Surgery, American Academy of Ophthalmology.* San Francisco, USA, October. 1997;82-84.
85. Hesse L, Schmidt J, Kroll P. Management of acute submacular hemorrhage using recombinant tissue plasminogen activator and gas. *Graefes Arch Clin Exp Ophthalmol* 1999;237(4):273-277.
86. Karlsson E, Carlsson J, Crafoord S, Jemt M, Martensson PA, Stenkula S. Tissue Plasminogen Activator and Expanding Gas Intravitreally in Treatment of Submacular Hemorrhage. *Transactions of the Swedish Society of Ophthalmology 1997. Annual Meeting.* Sundsvall, Sweden, August 27-30, 1997. *Acta Ophthalmol Scand* 1999;77(1): 119.
87. Hassan AS, Johnson MW, Schneiderman TE, Regillo CD, Tornambe PE, Poliner LS, Blodi BA, Elner SG. Management of submacular hemorrhage with intravitreal tissue plasminogen activator injection and pneumatic displacement. *Ophthalmology* 1999;106(10):1900-1906.
88. Handwerger BA, Blodi BA, Chandra SR, Olsen TW, Stevens TS. Treatment of submacular hemorrhage with low-dose intravitreal tissue plasminogen activator injection and pneumatic displacement. *Arch Ophthalmol* 2001;119(1):28-32.
89. Hattenbach LO, Klais C, Koch FH, Gumbel HO. Intravitreal injection of tissue plasminogen activator and gas in the treatment of submacular hemorrhage under various conditions. *Ophthalmology* 2001;108(8):1485-1492.
90. Ohji M, Saito Y, Hayashi A, Lewis JM, Tano Y. Pneumatic displacement of subretinal hemorrhage without tissue plasminogen activator. *Arch Ophthalmol* 1998;116(10):1326-1332.
91. Daneshvar H, Kertes PJ, Leonard BC, Peyman GA. Management of submacular hemorrhage with

intravitreal sulfur hexafluoride: a pilot study. *Can J Ophthalmol* 1999;34(7):385-388.

92. Silva SR, Bindra MS. Early treatment of acute submacular haemorrhage secondary to wet AMD using intravitreal tissue plasminogen activator, C3F8, and an anti-VEGF agent. *Eye (Lond)* 2016;30(7):952-7.
93. Kamei M, Misono K, Lewis H. A study of the ability of tissue plasminogen activator to diffuse into the subretinal space after intravitreal injection in rabbits. *Am J Ophthalmol* 1999;128(6):739-746.
94. Hauptert CL, McCuen BW, Jaffe GJ, Steuer ER, Cox TA, Toth CA, Fekrat S, Postel EA. Pars plana vitrectomy, subretinal injection of tissue plasminogen activator, and fluid-gas exchange for displacement of thick submacular hemorrhage in age-related macular degeneration. *Am J Ophthalmol* 2001;131(2):208-215.
95. Olivier S, Chow DR, Packo KH, MacCumber MW, Awh CC. Subretinal recombinant tissue plasminogen activator injection and pneumatic displacement of thick submacular hemorrhage in Age-Related macular degeneration. *Ophthalmology* 2004; 111 (6): 1201-1208.
96. Thompson JT, Sjaarda RN. Vitrectomy for the treatment of submacular hemorrhages from macular degeneration: a comparison of submacular hemorrhage/membrane removal and submacular tissue plasminogen activator-assisted pneumatic displacement. *Trans Am Ophthalmol Soc.* 2005;103:98-107, discussion 107.
97. Fine HF, Iranmanesh R, Del Priore LV, Barile GR, Chang LK, Chang S, Schiff WM. Surgical outcomes after massive subretinal hemorrhage secondary to age-related macular degeneration. *Retina.* 2010;30(10):1588-94.
98. Treumer F, Klatt C, Roider J, Hillenkamp J. Subretinal co-application of recombinant tissue plasminogen activator and bevacizumab for neovascular age-related macular degeneration with submacular hemorrhage. *Br J Ophthalmol* 2010;94(1):48-53.
99. Kamei M, Tano Y, Maeno T, Ikuno Y, Mitsuda H, Yuasa T. Surgical removal of submacular hemorrhage using tissue plasminogen activator and perfluorocarbon liquid. *Am J Ophthalmol.* 1996;121(3):267-75.
100. Van Zeeburg EJT, van Meurs JC. Literature review of recombinant tissue plasminogen activator used for recent-onset submacular haemorrhage displacement in age-related macular degeneration. *Ophthalmologica* 2013;229(1):1-14.
101. Kim JH, Chang YS, Kim JW, Kim CG, Yoo SJ, Cho HJ.. Intravitreal anti-vascular endothelial growth factor for submacular hemorrhage from choroidal neovascularization. *Ophthalmology* 2014;121(4):926-935.
102. Simpson AR, Petrarca R, Jackson TL. Vitreomacular adhesion and neovascular age-related macular degeneration. *Surv Ophthalmol.* 2012;57(6):498-509.
103. Treumer F, Roider J, Hillenkamp J. Long-term outcome of subretinal co-application of recombinant tissue plasminogen activator and bevacizumab followed by repeated intravitreal anti-VEGF injections for neovascular age-related macular degeneration with submacular hemorrhage. *Br J Ophthalmol* 2012;96(5):708-713.
104. Stanescu-Segall D, Balta F, Jackson TL. Submacular hemorrhage in neovascular age-related macular degeneration: A synthesis of the literature. *Surv Ophthalmol* 2016;61(1):18-32.
105. Martel JN, Mahmoud TH. Subretinal pneumatic displacement of subretinal hemorrhage. *JAMA Ophthalmol* 2013;131(12):1632-5.
106. Ueda-Arakawa N, Tsujikawa A, Yamashiro K, Ooto S, Tamura H, Yoshimura N. Visual prognosis of eyes with submacular hemorrhage associated with exudative age-related macular degeneration. *Jpn J Ophthalmol* 2012;56(6): 589-598.
107. Hirashima T, Moriya T, Bun T, Utsumi T, Hirose M, Oh H. Optical coherence tomography findings and surgical outcomes of tissue plasminogen activator-assisted vitrectomy for submacular hemorrhage secondary to age-related macular degeneration. *Retina* 2015;35(10):1969-78.
108. Kitagawa Y, Shimada H, Mori R, Tanaka K, Yuzawa M. Intravitreal Tissue Plasminogen Activator, Ranibizumab, and Gas Injection for Submacular Hemorrhage in Polypoidal Choroidal Vasculopathy. *Ophthalmology* 2016; 123(6):1278-86.

[View PDF](#)