

1. van Luijk P, Langendijk JA, **Coppes RP** Understanding mechanisms yields novel approaches to reduce radiotherapy-related xerostomia. **Annals of Translational Medicine** 2017 Feb;5(3):63. [Pdf](#)
2. **Coppes RP**, Dubrovskaja A Targeting Stem Cells in Radiation Oncology. **Clinical Oncology** 2017 Mar 28. (epub ahead of print). [Pdf](#)
3. Lara Barazzuol, Limei Ju, Penny A. Jeggo A coordinated DNA damage response promotes adult quiescent neural stem cell activation **PLOS Biology** 2017 May 10, 2017; <https://doi.org/10.1371/journal.pbio.2001264>. [Pdf](#)
4. Wang D, Plukker JT, **Coppes RP** Cancer stem cells with increased metastatic potential as a therapeutic target for esophageal cancer **Seminars in Cancer Biology** 2017 Mar 30. (epub ahead of print). [Pdf](#)
5. Peng X, Varendi K, Maimets M, Andressoo JO, **Coppes RP** Role of glial-cell-derived neurotrophic factor in salivary gland stem cell response to irradiation. **Radiotherapy and Oncology** 2017 Aug 4. pii: S0167-8140(17)32467-2. [Pdf](#)
6. van der Veen SJ, Faber H, Ghobadi G, Brandenburg S, Langendijk JA, **Coppes RP**, van Luijk P. Decreasing Irradiated Rat Lung Volume Changes Dose-Limiting Toxicity From Early to Late Effects. **International Journal of Radiation Oncology\*Biophysics** 2016 Jan 1;94(1):163-71. doi: 10.1016/j.ijrobp.2015.09.034. Epub 2015 Sep 28.. [Pdf](#)
7. Nagle PW, Hosper NA, Ploeg EM, van Goethem MJ, Brandenburg S, Langendijk JA, Chiu RK, **Coppes RP**. The In Vitro Response of Tissue Stem Cells to Irradiation With Different Linear Energy Transfers. **International Journal of Radiation Oncology\*Biophysics** 2016 May 1;95(1):103-11. doi: 10.1016/j.ijrobp.2016.02.020. Epub 2016 Feb 12.. [Pdf](#)
8. Klein Hesselink EN, Brouwers AH, de Jong JR, van der Horst-Schrivers AN, **Coppes RP**, Lefrandt JD, Jager PL, Vissink A, Links TP. Effects of radioiodine treatment on salivary gland function in patients with differentiated thyroid carcinoma: a prospective study. **Journal of Nuclear Medicine** 2016 Jun 23, 2016 jnumed.115.169888. [Pdf](#)
9. Vissink A, van Luijk P, Langendijk JA, **Coppes RP**. Current ideas to reduce or salvage radiation damage to salivary glands. **Oral Diseases** 2016 Jan;21(1):e1-10.. [Pdf](#)
10. Maimets M, Rocchi C, Bron R, Pringle S, Kuipers J, Giepmans BN, Vries RG, Clevers H, de Haan G, van Os R, **Coppes RP**. Long-Term In Vitro Expansion of Salivary Gland Stem Cells Driven by Wnt Signals. **Stem Cell Reports** 2016 Jan 12;6(1):150-62.. [Pdf](#)
11. Pringle S, Maimets M, van der Zwaag M, Stokman MA, van Gosliga D, Zwart E, Witjes MJ, de Haan G, van Os R, **Coppes RP**. Human Salivary Gland Stem Cells Functionally Restore Radiation Damaged Salivary Glands. **Stem Cells** 2016 Mar;34(3):640-52.. [Pdf](#)
12. Pringle S, Maimets M, van der Zwaag M, Stokman MA, van Gosliga D, Zwart E, Witjes MJ, de Haan G, van Os R, **Coppes RP** Human Salivary Gland Stem Cells Functionally Restore Radiation Damaged Salivary Glands. **Stem Cells** 2016 Mar;34(3):640-52.. [Pdf](#)
13. Vissink A, van Luijk P, Langendijk JA, **Coppes RP**. Current ideas to reduce or salvage radiation damage to salivary glands. **Oral Diseases** 2015 Jan;21(1):e1-10.. [Pdf](#)
14. van der Veen SJ, Ghobadi G, de Boer RA, Faber H, Cannon MV, Nagle PW, Brandenburg S, Langendijk JA, van Luijk P, **Coppes RP**. ACE inhibition attenuates radiation-induced cardiopulmonary damage. **Radiotherapy and Oncology** 2015 Jan;114(1):96-103.. [Pdf](#)
15. Ghobadi G, Wiegman EM, Langendijk JA, Widder J, **Coppes RP**, van Luijk P. A new CT-based method to quantify radiation-induced lung damage in patients. **Radiotherapy and Oncology** 2015 Oct;117(1):4-8.. [Pdf](#)

16. Maimets M, Bron R, de Haan G, van Os R, **Coppes RP**. Similar ex vivo expansion and post-irradiation regenerative potential of juvenile and aged salivary gland stem cells. **Radiotherapy and Oncology** 2015 Sep;116(3):443-8.. [Pdf](#)
17. van Luijk P, Pringle S, Deasy JO, Moiseenko VV, Faber H, Hovan A, Baanstra M, van der Laan HP, Kierkels RG, van der Schaaf A, Witjes MJ, Schippers JM, Brandenburg S, Langendijk JA, Wu J, **Coppes RP**. Sparing the region of the salivary gland containing stem cells preserves saliva production after radiotherapy for head and neck cancer. **Science Translational Medicine** 2015 Sep 16;7(305):305ra147.. [Pdf](#)
18. Benderitter M, Caviggioli F, Chapel A, **Coppes RP**, Guha C, Klinger M, Malard O, Stewart F, Tamarat R, Luijk PV, Limoli CL. Stem cell therapies for the treatment of radiation-induced normal tissue side effects. **Antioxidants & Redox Signaling** 2014 Jul 10;21(2):338-55. Review. [Pdf](#)
19. de Cortie K, Russell NS, **Coppes RP**, Stewart FA, Scharpfenecker M. Bone marrow-derived macrophages incorporate into the endothelium and influence vascular and renal function after irradiation. **International Journal of Radiation Biology** 2014 Sep;90(9):769-77.. [Pdf](#)
20. Scharpfenecker M, Floot B, Russell NS, **Coppes RP**, Stewart FA. Thalidomide ameliorates inflammation and vascular injury but aggravates tubular damage in the irradiated mouse kidney. **International Journal of Radiation Oncology\*Biological\*Physics** 2014 Jul 1;89(3):599-606. doi: 10.1016/j.ijrobp.2014.03.039.. [Pdf](#)
21. Nanduri LS, Baanstra M, Faber H, Rocchi C, Zwart E, de Haan G, van Os R, **Coppes RP**. Purification and ex vivo expansion of fully functional salivary gland stem cells. **Stem Cell Reports** 2014 Dec 9;3(6):957-64.. [Pdf](#)
22. Smit JK, Faber H, Niemantsverdriet M, Baanstra M, Bussink J, Hollema H, van Os RP, Plukker JT, **Coppes RP**. Prediction of response to radiotherapy in the treatment of esophageal cancer using stem cell markers. **Radiotherapy and Oncology** 2013 Jun;107(3):434-41.. [Pdf](#)
23. Nanduri LS, Lombaert IM, van der Zwaag M, Faber H, Brunsting JF, van Os RP, **Coppes RP**. Salisphere derived c-Kit+ cell transplantation restores tissue homeostasis in irradiated salivary gland. **Radiotherapy and Oncology** 2013 Sep;108(3):458-63.. [Pdf](#)
24. Scharpfenecker M, Floot B, Russell NS, **Coppes RP**, Stewart FA. Endoglin haploinsufficiency attenuates radiation-induced deterioration of kidney function in mice. **Radiotherapy and Oncology** 2013 Sep;108(3):464-8.. [Pdf](#)
25. Pringle S, Van Os R, **Coppes RP**. Concise review: Adult salivary gland stem cells and a potential therapy for xerostomia. **Stem Cells** 2013 Apr;31(4):613-9. Review.. [Pdf](#)
26. Ghobadi G, van der Veen S, Bartelds B, de Boer RA, Dickinson MG, de Jong JR, Faber H, Niemantsverdriet M, Brandenburg S, Berger RM, Langendijk JA, **Coppes RP**, van Luijk P. Physiological interaction of heart and lung in thoracic irradiation. **International Journal of Radiation Oncology\*Biological\*Physics** 2012 Dec 1;84(5):e639-46.. [Pdf](#)
27. Niemantsverdriet M, van Goethem MJ, Bron R, Hogewerf W, Brandenburg S, Langendijk JA, van Luijk P, **Coppes RP**. High and low LET radiation differentially induce normal tissue damage signals. **International Journal of Radiation Oncology\*Biological\*Physics** 2012 Jul 15;83(4):1291-7.. [Pdf](#)
28. Niemantsverdriet M, Nagle P, Chiu RK, Langendijk JA, Kampinga HH, **Coppes RP**.  $\Delta Np73$  enhances promoter activity of TGF- $\beta$  induced genes. **PLoS One** 2012 7(12):e50815.. [Pdf](#)

29. Ghobadi G, Bartelds B, van der Veen SJ, Dickinson MG, Brandenburg S, Berger RM, Langendijk JA, **Coppes RP**, van Luijk P. Lung irradiation induces pulmonary vascular remodelling resembling pulmonary arterial hypertension. **Thorax** 2012 Apr;67(4):334-41.. [Pdf](#)
30. **Coppes RP**, Muijs CT, Faber H, Gross S, Schippers JM, Brandenburg S, Langendijk JA, van Luijk P. Volume-dependent expression of in-field and out-of-field effects in the proton-irradiated rat lung. **International Journal of Radiation Oncology\*Biological\*Physics** 2011 Sep 1;81(1):262-9.. [Pdf](#)
31. Pringle S, Nanduri LS, van der Zwaag M, van Os R, **Coppes RP**. Isolation of mouse salivary gland stem cells. **Journal of Visualized Experiments** 2011 Feb 8;(48).. [Pdf](#)
32. van Goethem MJ, Niemantsverdriet M, Brandenburg S, Langendijk JA, **Coppes RP**, van Luijk P. Development of a facility for high-precision irradiation of cells with carbon ions. **Medical Physics** 2011 Jan;38(1):256-63.. [Pdf](#)
33. **Coppes RP**, Stokman MA. Stem cells and the repair of radiation-induced salivary gland damage. **Oral Diseases** 2011 Mar;17(2):143-53. Review.. [Pdf](#)
34. Nanduri LS, Maimets M, Pringle SA, van der Zwaag M, van Os RP, **Coppes RP**. Regeneration of irradiated salivary glands with stem cell marker expressing cells. **Radiotherapy and Oncology** 2011 Jun;99(3):367-72.. [Pdf](#)
35. Ghobadi G, Hogeweg LE, Faber H, Tukker WG, Schippers JM, Brandenburg S, Langendijk JA, **Coppes RP**, van Luijk P. Quantifying local radiation-induced lung damage from computed tomography. **International Journal of Radiation Oncology\*Biological\*Physics** 2010 Feb 1;76(2):548-56.. [Pdf](#)
36. Vissink A, Mitchell JB, Baum BJ, Limesand KH, Jensen SB, Fox PC, Elting LS, Langendijk JA, **Coppes RP**, Reylan ME. Clinical management of salivary gland hypofunction and xerostomia in head-and-neck cancer patients: successes and barriers. **International Journal of Radiation Oncology\*Biological\*Physics** 2010 Nov 15;78(4):983-91. Review.. [Pdf](#)
37. Niemantsverdriet M, de Jong E, Langendijk JA, Kampinga HH, **Coppes RP**. Synergistic induction of profibrotic PAI-1 by TGF- $\beta$  and radiation depends on p53. **Radiotherapy and Oncology** 2010 Oct;97(1):33-5.. [Pdf](#)
38. Woodward WA, Bristow RG, Clarke MF, **Coppes RP**, Cristofanilli M, Duda DG, Fike JR, Hambarzumyan D, Hill RP, Jordan CT, Milas L, Pajonk F, Curran WJ, Dicker AP, Chen Y. Radiation Therapy Oncology Group translational research program stem cell symposium: incorporating stem cell hypotheses into clinical trials. **International Journal of Radiation Oncology\*Biological\*Physics** 2009 Aug 1;74(5):1580-91.. [Pdf](#)
39. van Luijk P, Faber H, Schippers JM, Brandenburg S, Langendijk JA, Meertens H, **Coppes RP**. Bath and shower effects in the rat parotid gland explain increased relative risk of parotid gland dysfunction after intensity-modulated radiotherapy. **International Journal of Radiation Oncology\*Biological\*Physics** 2009 Jul 15;74(4):1002-5.. [Pdf](#)
40. Burlage FR, Faber H, Kampinga HH, Langendijk JA, Vissink A, **Coppes RP**. Enhanced proliferation of acinar and progenitor cells by prophylactic pilocarpine treatment underlies the observed amelioration of radiation injury to parotid glands. **Radiotherapy and Oncology** 2009 Feb;90(2):253-6.. [Pdf](#)
41. Feng J, van der Zwaag M, Stokman MA, van Os R, **Coppes RP**. Isolation and characterization of human salivary gland cells for stem cell transplantation to reduce radiation-induced hyposalivation. **Radiotherapy and Oncology** 2009 Sep;92(3):466-71.. [Pdf](#)

42. **Coppes RP**, van der Goot A, Lombaert IM. Stem cell therapy to reduce radiation-induced normal tissue damage. **Seminars in Radiation Oncology** 2009 Apr;19(2):112-21. Review.. [Pdf](#)
43. Lombaert IM, Brunsting JF, Wierenga PK, Kampinga HH, de Haan G, **Coppes RP**. Cytokine treatment improves parenchymal and vascular damage of salivary glands after irradiation. **Clinical Cancer Research** 2008 Dec 1;14(23):7741-50.. [Pdf](#)
44. Karliczek A, Zeebregts CJ, Benaron DA, **Coppes RP**, Wiggers T, van Dam GM. Preoperative irradiation with 5 x 5 Gy in a murine isolated colon loop model does not cause anastomotic weakening after colon resection. **International Journal of Colorectal Disease** 2008 Nov;23(11):1115-24.. [Pdf](#)
45. Burlage FR, Roesink JM, Kampinga HH, **Coppes RP**, Terhaard C, Langendijk JA, van Luijk P, Stokman MA, Vissink A. Protection of salivary function by concomitant pilocarpine during radiotherapy: a double-blind, randomized, placebo-controlled study. **International Journal of Radiation Oncology\*Biological\*Physics** 2008 Jan 1;70(1):14-22.. [Pdf](#)
46. Lombaert IM, Brunsting JF, Wierenga PK, Faber H, Stokman MA, Kok T, Visser WH, Kampinga HH, de Haan G, **Coppes RP**. Rescue of salivary gland function after stem cell transplantation in irradiated glands. **PLoS One** 2008 Apr 30;3(4):e2063.. [Pdf](#)
47. Burlage FR, Roesink JM, Faber H, Vissink A, Langendijk JA, Kampinga HH, **Coppes RP**. Optimum dose range for the amelioration of long term radiation-induced hyposalivation using prophylactic pilocarpine treatment. **Radiotherapy and Oncology** 2008 Mar;86(3):347-53.. [Pdf](#)
48. Feng J, **Coppes RP**. Can we rescue salivary gland function after irradiation? **Scientific World Journal** 2008 Oct 3;8:959-62.. [Pdf](#)
49. Lombaert IM, Brunsting JF, Wierenga PK, Kampinga HH, de Haan G, **Coppes RP**. Keratinocyte growth factor prevents radiation damage to salivary glands by expansion of the stem/progenitor pool. **Stem Cells** 2008 Oct;26(10):2595-601. d. [Pdf](#)
50. Bart J, Nagengast WB, **Coppes RP**, Wegman TD, van der Graaf WT, Groen HJ, Vaalburg W, de Vries EG, Hendrikse NH. Irradiation of rat brain reduces P-glycoprotein expression and function. **British journal of cancer** 2007 Aug 6;97(3):322-6.. [Pdf](#)
51. van Luijk P, Faber H, Meertens H, Schippers JM, Langendijk JA, Brandenburg S, Kampinga HH, **Coppes RP**. The impact of heart irradiation on dose-volume effects in the rat lung. **International Journal of Radiation Oncology\*Biological\*Physics** 2007 Oct 1;69(2):552-9.. [Pdf](#)
52. Wiegman EM, Blaese MA, Loeffler H, **Coppes RP**, Rodemann HP. TGFbeta-1 dependent fast stimulation of ATM and p53 phosphorylation following exposure to ionizing radiation does not involve TGFbeta-receptor I signalling. **Radiotherapy and Oncology** 2007 Jun;83(3):289-95.. [Pdf](#)
53. Lombaert IM, Wierenga PK, Kok T, Kampinga HH, deHaan G, **Coppes RP**. Mobilization of bone marrow stem cells by granulocyte colony-stimulating factor ameliorates radiation-induced damage to salivary glands. **Clinical Cancer Research** 2006 Mar 15;12(6):1804-12.. [Pdf](#)
54. van Luijk P, Novakova-Jiresova A, Faber H, Steneker MN, Kampinga HH, Meertens H, **Coppes RP**. Relation between radiation-induced whole lung functional loss and regional structural changes in partial irradiated rat lung. **International Journal of Radiation Oncology\*Biological\*Physics** 2006 Apr 1;64(5):1495-502.. [Pdf](#)
55. Konings AW, Faber H, Cotteleer F, Vissink A, **Coppes RP**. Secondary radiation damage as the main cause for unexpected volume effects: a histopathologic study of the parotid gland.

- International Journal of Radiation Oncology\*Biological\*Physics** 2006 Jan 1;64(1):98-105. Epub 2005 Oct 13.. [Pdf](#)
56. Bijl HP, van Luijk P, **Coppes RP**, Schippers JM, Konings AW, van der Kogel AJ. Influence of adjacent low-dose fields on tolerance to high doses of protons in rat cervical spinal cord. **International Journal of Radiation Oncology\*Biological\*Physics** 2006 Mar 15;64(4):1204-10.. [Pdf](#)
57. **Coppes RP**, Meter A, Latumalea SP, Roffel AF, Kampinga HH. Defects in muscarinic receptor-coupled signal transduction in isolated parotid gland cells after in vivo irradiation: evidence for a non-DNA target of radiation. **British journal of cancer** 2005 Feb 14;92(3):539-46.. [Pdf](#)
58. van Luijk P, Novakova-Jiresova A, Faber H, Schippers JM, Kampinga HH, Meertens H, **Coppes RP**. Radiation damage to the heart enhances early radiation-induced lung function loss. **Cancer Research** 2005 Aug 1;65(15):6509-11.. [Pdf](#)
59. Novakova-Jiresova A, van Luijk P, van Goor H, Kampinga HH, **Coppes RP**. Pulmonary radiation injury: identification of risk factors associated with regional hypersensitivity. **Cancer Research** 2005 May 1;65(9):3568-76.. [Pdf](#)
60. Hageman J, Eggen BJ, Rozema T, Damman K, Kampinga HH, **Coppes RP**. Radiation and transforming growth factor-beta cooperate in transcriptional activation of the profibrotic plasminogen activator inhibitor-1 gene. **Clinical Cancer Research** 2005 Aug 15;11(16):5956-64.. [Pdf](#)
61. Burlage FR, Pijpe J, **Coppes RP**, Hemels ME, Meertens H, Canrinus A, Vissink A. Variability of flow rate when collecting stimulated human parotid saliva. **European Journal Of Oral Sciences** 2005 Oct;113(5):386-90.. [Pdf](#)
62. Konings AW, Faber H, Vissink A, **Coppes RP**. Radioprotective effect of amifostine on parotid gland functioning is region dependent. **International Journal of Radiation Oncology\*Biological\*Physics** 2005 Dec 1;63(5):1584-91.. [Pdf](#)
63. Bijl HP, van Luijk P, **Coppes RP**, Schippers JM, Konings AW, van Der Kogel AJ. Regional differences in radiosensitivity across the rat cervical spinal cord. **International Journal of Radiation Oncology\*Biological\*Physics** 2005 Feb 1;61(2):543-51.. [Pdf](#)
64. Konings AW, Cotteleer F, Faber H, van Luijk P, Meertens H, **Coppes RP**. Volume effects and region-dependent radiosensitivity of the parotid gland. **International Journal of Radiation Oncology\*Biological\*Physics** 2005 Jul 15;62(4):1090-5.. [Pdf](#)
65. Konings AW, **Coppes RP**, Vissink A. On the mechanism of salivary gland radiosensitivity. **International Journal of Radiation Oncology\*Biological\*Physics** 2005 Jul 15;62(4):1187-94. Review. Erratum in: *Int J Radiat Oncol Biol Phys*. 2006 Jan 1;64(1):330.. [Pdf](#)
66. Wiegman EM, van Gameren MM, Kampinga HH, Szabó BG, **Coppes RP**. Post-irradiation dietary vitamin E does not affect the development of radiation-induced lung damage in rats. **Radiotherapy and Oncology** 2004 Jul;72(1):67-70.. [Pdf](#)
67. Novakova-Jiresova A, Van Gameren MM, **Coppes RP**, Kampinga HH, Groen HJ. Transforming growth factor-beta plasma dynamics and post-irradiation lung injury in lung cancer patients. **Radiotherapy and Oncology** 2004 May;71(2):183-9.. [Pdf](#)
68. Vissink A, Jansma J, Spijkervet FK, Burlage FR, **Coppes RP**. Oral sequelae of head and neck radiotherapy. **Critical Reviews in Oral Biology & Medicine** 2003 14(3):199-212. Review.. [Pdf](#)
69. Vissink A, Burlage FR, Spijkervet FK, Jansma J, **Coppes RP**. Prevention and treatment of the consequences of head and neck radiotherapy. **Critical Reviews in Oral Biology & Medicine** 2003 14(3):213-25. Review.. [Pdf](#)

70. Cotteleer F, Faber H, Konings AW, Van der Hulst PC, **Coppes RP**, Meertens H. Three-dimensional dose distribution for partial irradiation of rat parotid glands with 200kV X-rays. **International Journal of Radiation Biology** 2003 Sep;79(9):689-700.. [Pdf](#)
71. Bijl HP, van Luijk P, **Coppes RP**, Schippers JM, Konings AW, van der Kogel AJ. Unexpected changes of rat cervical spinal cord tolerance caused by inhomogeneous dose distributions. **International Journal of Radiation Oncology\*Biological\*Physics** 2003 Sep 1;57(1):274-81.. [Pdf](#)
72. Wiegman EM, Meertens H, Konings AW, Kampinga HH, **Coppes RP**. Loco-regional differences in pulmonary function and density after partial rat lung irradiation. **Radiotherapy and Oncology** 2003 Oct;69(1):11-9.. [Pdf](#)
73. Konings AW, Vissink A, **Coppes RP**. Comments on: Extended-term effects of head and neck irradiation in a rodent. *Eur J Cancer* 2001, 37, 1938-1945. **European Journal of Cancer** 2002 Apr;38(6):851-2; author reply 853. No abstract available.. [Pdf](#)
74. Bijl HP, van Luijk P, **Coppes RP**, Schippers JM, Konings AW, van der Kogel AJ. Dose-volume effects in the rat cervical spinal cord after proton irradiation. **International Journal of Radiation Oncology\*Biological\*Physics** 2002 Jan 1;52(1):205-11.. [Pdf](#)
75. Licht R, Kampinga HH, **Coppes RP**. Salivary gland-sparing prophylactic pilocarpine treatment has no effect on tumor regrowth after irradiation. **Radiation Research** 2002 Radiat Res. 2002 May;157(5):596-8.. [Pdf](#)
76. **Coppes RP**, Vissink A, Konings AW. Comparison of radiosensitivity of rat parotid and submandibular glands after different radiation schedules. **Radiotherapy and Oncology** 2002 Jun;63(3):321-8.. [Pdf](#)
77. **Coppes RP**, Zeilstra LJ, Kampinga HH, Konings AW. Early to late sparing of radiation damage to the parotid gland by adrenergic and muscarinic receptor agonists. **British journal of cancer** 2001 Sep 28;85(7):1055-63.. [Pdf](#)
78. van Luijk P, Bijl HP, **Coppes RP**, van der Kogel AJ, Konings AW, Pikkemaat JA, Schippers JM. Techniques for precision irradiation of the lateral half of the rat cervical spinal cord using 150 MeV protons [corrected]. **Physics in Medicine & Biology** 2001 Nov;46(11):2857-71.. [Pdf](#)
79. Burlage FR, **Coppes RP**, Meertens H, Stokman MA, Vissink A. Parotid and submandibular/sublingual salivary flow during high dose radiotherapy. **Radiotherapy and Oncology** 2001 Dec;61(3):271-4.. [Pdf](#)
80. Zeilstra LJ, Vissink A, Konings AW, **Coppes RP**. Radiation induced cell loss in rat submandibular gland and its relation to gland function. **International Journal of Radiation Biology** 2000 Mar;76(3):419-29.. [Pdf](#)
81. **Coppes RP**, Roffel AF, Zeilstra LJ, Vissink A, Konings AW. Early radiation effects on muscarinic receptor-induced secretory responsiveness of the parotid gland in the freely moving rat. **Radiation Research** 2000 Mar;153(3):339-46.. [Pdf](#)
82. Roesink JM, Konings AW, Terhaard CH, Battermann JJ, Kampinga HH, **Coppes RP**. Preservation of the rat parotid gland function after radiation by prophylactic pilocarpine treatment: radiation dose dependency and compensatory mechanisms. **International Journal of Radiation Oncology\*Biological\*Physics** 1999 Sep 1;45(2):483-9.. [Pdf](#)
83. Paardekooper GM, Cammelli S, Zeilstra LJ, **Coppes RP**, Konings AW. Radiation-induced apoptosis in relation to acute impairment of rat salivary gland function. **International Journal of Radiation Biology** 1998 Jun;73(6):641-8.. [Pdf](#)

84. **Coppes RP**, Vissink A, Zeilstra LJ, Konings AW. Muscarinic receptor stimulation increases tolerance of rat salivary gland function to radiation damage. **International Journal of Radiation Biology** 1997 Nov;72(5):615-25.. [Pdf](#)
85. Smit J, **Coppes RP**, van Tintelen EJ, Roffel AF, Zaagsma J. Prejunctional histamine H3-receptors inhibit electrically evoked endogenous noradrenaline overflow in the portal vein of freely moving rats. **Naunyn-Schmiedeberg's Archives of Pharmacology** 1997 Feb;355(2):256-60.. [Pdf](#)
86. **Coppes RP**, Zeilstra LJ, Vissink A, Konings AW. Sialogogue-related radioprotection of salivary gland function: the degranulation concept revisited. **Radiation Research** 1997 Sep;148(3):240-7.. [Pdf](#)
87. **Coppes RP**, Smit J, Benthem L, Van der Leest J, Zaagsma J. Co-released adrenaline markedly facilitates noradrenaline overflow through prejunctional beta 2-adrenoceptors during swimming exercise. **European Journal of Pharmacology** 1995 Feb 14;274(1-3):33-40.. [Pdf](#)
88. **Coppes RP**, Brouwer F, Freie I, Smit J, Zaagsma J. Sustained prejunctional facilitation of noradrenergic neurotransmission by adrenaline as a co-transmitter in the portal vein of freely moving rats. **British Journal of Pharmacology** 1994 Oct;113(2):342-4.. [Pdf](#)
89. **Coppes RP**, Smit J, Geurtsen AM, Roffel AF, Dahlöf C, Doods HN, Zaagsma J. Heterogeneity of prejunctional neuropeptide Y receptors inhibiting noradrenaline overflow in the portal vein of freely moving rats. **European Journal of Pharmacology** 1994 Aug 22;261(3):311-6.. [Pdf](#)
90. **Coppes RP**, Remie R, Zaagsma J. Influence of the baroreceptor reflex on the modulation of noradrenaline overflow through prejunctional receptors in the portal vein of freely moving rats. **Journal of autonomic pharmacology** 1994 Dec;14(6):403-10.. [Pdf](#)
91. Tarizzo VI, **Coppes RP**, Dahlöf C, Zaagsma J. Pre- and postganglionic stimulation-induced noradrenaline overflow is markedly facilitated by a prejunctional beta 2-adrenoceptor-mediated control mechanism in the pithed rat. **Naunyn-Schmiedeberg's Archives of Pharmacology** 1994 Jun;349(6):570-7.. [Pdf](#)
92. **Coppes RP**, Smit J, Khali NN, Brouwer F, Zaagsma J. Strong activation of vascular prejunctional beta 2-adrenoceptors in freely moving rats by adrenaline released as a co-transmitter. **European Journal of Pharmacology** 1993 Oct 26;243(3):273-9.. [Pdf](#)
93. Remie R, Van Rossum JX, **Coppes RP**, Zaagsma J. Dysfunctional presynaptic alpha 2-adrenoceptors expose facilitatory beta 2-adrenoceptors in the vasculature of spontaneously hypertensive rats. **European Journal of Pharmacology** 1992 Feb 11;211(2):257-61.. [Pdf](#)
94. Tarizzo NV, **Coppes RP**, Zaagsma RP. Modulation of prejunctional and postjunctional beta-adrenoceptors by nebivololandits enantiomers in the permanently cannulated freely moving rat. **Monitoring molecules in neuroscience** 1991 184-186. Groningen University Center Pharmacy. Rollema H, Westerink BHC, Drijfhout WJ, (eds).. [Pdf](#)
95. Zaagsma J, Remie R, **Coppes RP**, Knot HJ, VanRossum JXM, Smit J, Zeilstra LJW. The role of prejunctional autoreceptors and heteroreceptors in the modulation of endogenous noradrenaline release in the vasculature of freely moving rats. **Monitoring molecules in neuroscience** 1991 157-159. Groningen University Center Pharmacy. Rollema H, Westerink BHC, Drijfhout WJ, (eds). [Pdf](#)
96. **Coppes RP**, Smit J, Khali NAN, Vanderleest J, Behtem L, Zaagsma J. Exogenously applied adrenaline taken up by sympathetic-nerves is co-released with noradrenaline and strongly activates facilitatory prejunctional beta-2-adrenoceptors in the freely moving rat. **Monitoring**

- molecules in neuroscience** 1991 187-189. Groningen University Center Pharmacy. Rollema H, Westerink BHC, Drijfhout WJ, (eds). [Pdf](#)
97. Remie R, **Coppes RP**, Meurs H, Roffel AF, Zaagsma J. Characterization of presynaptic vascular muscarinic receptors inhibiting endogenous noradrenaline overflow in the portal vein of the freely moving rat. **British Journal of Pharmacology** 1990 Feb;99(2):223-6.. [Pdf](#)
98. **Coppes RP**, Zeilstra LJW, Aarents JA, Zaagsma J. The role of angiotensin-II in the facilitation of noradrenaline release by prejunctional beta-2-andrenoceptors in the vasculature of the freely moving rat. **European Journal of Pharmacology** 1990 183(5), 2039.. [Pdf](#)
99. Remie R, **Coppes RP**, Zaagsma J. Presynaptic muscarinic receptors inhibiting endogenous noradrenaline release in the portal vein of the freely moving rat. **British Journal of Pharmacology** 1989 Jun;97(2):586-90.. [Pdf](#)
100. Wade CE, Hannon JP, Bossone CA, Hunt MM, Loveday JA, **Coppes R**, Gildengorin VL. Resuscitation of conscious pigs following hemorrhage: comparative efficacy of small-volume resuscitation. **Circulatory shock** 1989 Nov;29(3):193-204.. [Pdf](#)
101. Wang D, Chiu R, Plukker JT, **Coppes RP**. The role of mTOR inhibitors in targeting a putative cancer stem cell-like population in esophageal cancer. **Journal of Clinical Oncology** 2016 34, 2016 (suppl 4S; abstr 43). [Pdf](#)
102. **Coppes RP** Stem cell therapy for prevention of radiation-induced salivary gland toxicity. **European Journal of Cancer** 2013 49, S90.. [Pdf](#)
103. **Coppes RP** SOCS box: fine-tuning inflammatory responses. **Blood** 2007 110(5), 1403-1404.. [Pdf](#)
104. Novakova-Jiresova A, van Luijk P, van Goor H, Kampinga HH, **Coppes RP** Changes in expression of injury after irradiation of increasing volumes in rat lung. **International Journal of Radiation Oncology\*Biological\*Physics** 2007 67(5), 1510-1518.. [Pdf](#)
105. Meertens H, van Luijk P, Faber F, Schippers JM, Brandenburg S, Langendijk JA, **Coppes R**. Volume effects in the rat lung for late radiation-induced loss of lung function. **Radiotherapy and Oncology** 2007 84, S65. [Pdf](#)
106. Konings AWT, Coppes, RP, Vissink A. On the mechanism of salivary gland radiosensitivity **International Journal of Radiation Oncology\*Biological\*Physics** 2006 64(1), 330-330.. [Pdf](#)
107. Novakova-Jiresova A, van Luijk P, van Goor H, Kampinga HH, **Coppes RP**. Changes in injury expression after graded volume irradiation of the rat lung **International Journal of Radiation Oncology\*Biological\*Physics** 2006 66(3), S572-S572.. [Pdf](#)
108. Wiegman E, van Luijk P, Faber H, Meertens H, Kampinga HH, Langendijk JA, **Coppes RP**. Further improvement of radiotherapy through side effect reduction by stem cell transplantation. **Radiotherapy and Oncology** 2006 81, S152-S152.. [Pdf](#)
109. van Luijk P, Faber H, Meertens H, Schippers JM, Kampinga HH, **Coppes RP**. Modulation of functional reserve as a model to predict symptomatic early radiation-induced loss of lung function. **Radiotherapy and Oncology**, 2006 81, S204-S204.. [Pdf](#)
110. Wiegman E, van Luijk P, Faber H, Meertens H, Kampinga HH, Langendijk JA, **Coppes RP** Combination of gemcitabine and rat lung irradiation decreases pulmonary toxicity **Radiotherapy and Oncology** 2006 81, s152. [Pdf](#)
111. Burlage, F., Roesink, J., Kampinga, H., Coppes, R., Terhaard, C., Langendijk, J., ... Vissink, A. Protection of salivary function using pilocarpine during radiotherapy: A double-



- blinded randomized placebo-controlled study **International Journal of Radiation Oncology\*Biological\*Physics** 2005 63(2), S86.. [Pdf](#)
112. Luijk PV, Faber H, Meertens H, Kampinga H, Schippers J M, **Coppes R**. Sub-clinical heart damage enhances radiation-induced lung function loss **International Journal of Radiation Oncology\*Biological\*Physics** 2005 63(2), S460-S460.. [Pdf](#)
113. Meertens,H, Luijk P, Steneker M, Novakova-Jiresova A, **Coppes R**. Measurement of radiation induced lung damage in the rat by CT image analysis. **Medical Physics** 2005 32(6), 2034. [Pdf](#)
114. Wierenga PK, Lombaert NV, Visser W, Kampinga HH, Haan de G, **Coppes RP** Bone marrow-derived stem cells reduce radiation-induced damage to salivary glands. **Blood** 2004 104(11), 338A.. [Pdf](#)
115. Wierenga PK, Lombaert NV, Visser W, DeHaan G, Kampinga HH, **Coppes RP** Bone marrow-derived stem cells ameliorate radiation-induced damage to salivary glands. **Experimental Hematology** 2004 32(7), 42.. [Pdf](#)
116. van Luijk P, Faber H, Kampinga HH, Meertens H, Schippers JM, **Coppes RP** Dose-volume-region effects in the rat lung. **Radiotherapy and Oncology** 2004 73, S382.. [Pdf](#)
117. **Coppes RP** The radiobiology of salivary gland damage and how to minimise. **Radiotherapy and Oncology** 2004 73, S119.. [Pdf](#)
118. Rozema T, Hageman J, Kampinga H, **Coppes R**, Eggen BJL. Activation of pro-fibrotic genes by radiation and transforming growth factor-beta (TGF-beta). **Radiotherapy and Oncology** 2004 73, S86.. [Pdf](#)
119. Wierenga PK, De Haan G, Kampinga HH, **Coppes RP** Reduction of radiation-induced damage to salivary glands by bone marrow derived stem cells after G-CSF mobilization. **Blood** 2003 102(11), 152B.. [Pdf](#)
120. Wierenga PK, De Haan G, Kampinga HH, **Coppes RP** Reduction of radiation-induced damage to salivary glands by bone marrow derived stem cells after G-CSF mobilization. **Blood** 2003 102(11), 152B.. [Pdf](#)
121. Vissink A, **Coppes RP**, Konings AWT. Comparison of radiosensitivity of rat salivary glands after different radiation schedules. **Journal of Dental Research** 2003 82, 513.. [Pdf](#)
122. Bart J, Hendrikse NH, Wegman TD, Nagengast WB, Vaalburg W, **Coppes RP**. Irradiation increases accumulation of P-glycoprotein substrate [C-11] carvedilol in rat brains. **Journal of Nuclear Medicine** 2003 44(5), 220P.. [Pdf](#)
123. Wierenga PK, Licht R, de Haan G, **Coppes RP** Protection against radiation-induced damage to salivary glands by stem cell transplantation. **Blood** 2002 100(11), 158B. [Pdf](#)
124. **Coppes RP**, Vissink A, Zeilstra LJW, Konings AWT Proliferation induced radiotolerance of salivary glands after siologogue pretreatment. **Journal of Dental Research** 1997 76, 703.. [Pdf](#)