

# 2018

Stera, S., Balermipas, P., Chan, M.K.H., Huttenlocher, S., Wurster, S., Keller, C., Imhoff, D., Rades, D., Dunst, J., Rödel, C., Hildebrandt, G., Blanck, O. (2018): **Breathing-motion-compensated robotic guided stereotactic body radiation therapy: Patterns of failure analysis**. *Strahlenther. Onkol.* 194(2): 143-155 (Epub 2017 Sep 05).

Ghadjar, P., Hayoz, S., Bernhard, J., Zwahlen, D., Stein, J., Hölscher, T., Gut, P., Bülent, P., Hildebrandt, G., Müller, A.C., Putora, M.P., Papachristofilou, A., Schär, C., Dal Pra, A., Biaggi-Rudolf, C., Wust, P., Aebersold, D.M., Thalmann, G.N. (2018): **Impact of dose intensified salvage radiation therapy on urinary continence recovery after radical prostatectomy**. *Radiother. Oncol.* 126(2): 257-262 (Epub 2017 Nov 3).

Baaße, A., Juerß, D., Reape, E., Manda, K., Hildebrandt, G. (2018): **Promoting effects of adipose-derived stem cells on breast cancer cells are reversed by radiation therapy**. *Cytotechnology* 70(2): 701-711 (Epub 2017 Nov 29).

Schäfer, R., Strnad, V., Polgar, C., Uter, W., Hildebrandt, G., Ott, O.J., Kauer-Dorner, D., Knauerhase, H., Major, T., Lyczek, J., Guinot, J.L., Dunst, J., Gutierrez Miguelez, C., Slampa, P., Allgäuer, M., Lössl, K., Kovacz, G., Fishedick, A.R., Fietkau, R., Resch, A., Kulik, A., Arribas, L., Niehoff, P., Guedea, F., Schlamann, A., Gall, C., Polat, B. (2018): **Quality-of-life results for accelerated partial breast irradiation with interstitial brachytherapy versus whole-breast irradiation in early breast cancer after breast-conserving surgery (GEC-ESTRO): 5-year results of a randomised, phase 3 trial**. *Lancet Oncol.* 19(6): 834-844 (Epub 2018 Apr 22).

Boda-Heggemann, J., Jahnke, A., Chan, M., Ghaderi Ardekani, L.S., Hunold, P., Schäfer, J.P., Huttenlocher, S., Wurster, S., Rades, D., Hildebrandt, G., Lohr, F., Dunst, J., Wenz, F., Blanck, O. (2018): **Direct dose correlation of MRI-morphologic alterations of healthy liver tissue after robotic liver-SBRT**. *Strahlenther. Onkol.* 194(5): 414-424 (Epub 2018 Feb 05).

Klement, R.J., Hörner-Rieber, J., Adebahr, S., Andratschke, N., Blanck, O., Boda-Heggemann, J., Duma, M., Eble, M.J., Eich, H.C., Flentje, M., Gerum, S., Hass, P., Henkenberens, C., Hildebrandt, G., Imhoff, D., Kahl, K.H., Klass, N.D., Krempien, R., Lohaus, F., Petersen, C., Schrader, E., Wendt, T.G., Wittig, A., Guckenberger, M. (2018): **Stereotactic body radiotherapy (SBRT) for multiple pulmonary oligometastases: Analysis of number and timing of repeat SBRT as impact factors on treatment safety and efficacy**. *Radiother. Oncol.* 127(2): 246-252 (Epub 2018 Mar 03).

Andratschke, N., Alheid, H., Allgäuer, M., Becker, G., Blanck, O., Boda-Heggemann, J., Brunner, T., Duma, M., Gerum, S., Guckenberger, M., Hildebrandt, G., Klement, R.J., Lewitzki, V., Ostheimer, C., Papachristofilou, A., Petersen, C., Schneider, T., Semrau, R., Wachter, S., Habermehl, D. (2018): **The SBRT database initiative of the German Society for Radiation Oncology (DEGRO): Patterns of care and outcome analysis of stereotactic body radiotherapy (SBRT) for liver metastases in 474 patients with 623 metastases.** BMC Cancer 18(1): 283. (Epub 2018 Mar 13)

Schültke, E., Bräuer-Krisch, E., Blattmann, H., Requardt, H., Laissue, J.A., Hildebrandt, G. (2018): **Survival of rats bearing advanced intracerebral F 98 tumors after glutathione depletion and microbeam radiation therapy: conclusions from a pilot project.** Radiat. Oncol. 13: 89.

Baumann, R., Chan, M.K.H., Pyschny, F., Stera, S., Malzkuhn, B., Wurster, S., Huttenlocher, S., Szücs, M., Imhoff, D., Keller, C., Balermipas, P., Rades, D., Rödel, C., Dunst, J., Hildebrandt, G., Blanck, O. (2018): **Clinical Results of Mean GTV Dose Optimized Robotic Guided Stereotactic Body Radiation Therapy for Lung Tumors.** Frontiers in Oncology 8: 171.

Schröder, S., Kriesen, S., Paape, D., Hildebrandt, G., Manda, K. (2018): **Modulation of inflammatory reactions by low dose ionizing radiation: cytokine release of murine endothelial cells is dependent on culture conditions.** J. Immunol. Res. ...(..): ... (Epub 2018 Jun 03).

Moustakis, C., Chan, M.K.H., Kim, J., Nilsson, J., Bergman, A., Bichay, T.J., Palazon Cano, I., Cilla, S., Deodato, F., Doro, R., Dunst, J., Eich, H.T., Fau, P., Fong, M., Haverkamp, U., Heinze, S., Hildebrandt, G., Imhoff, D., de Klerck, E., Köhn, J., Lambrecht, U., Loutfi-Krauss, B., Ebrahimi, F., Masi, L., Mayville, A.H., Mestrovic, A., Milder, M., Morganti, A.G., Rades, D., Ramm, U., Rödel, C., Siebert, F.A., den Toom, W., Wang, L., Wurster, S., Schweikard, A., Soltys, S.G., Ryu, S., Blanck, O. (2018): **Treatment planning for spinal radiosurgery : A competitive multiplatform benchmark challenge.** Strahlenther. Onkol. 194(..): ..... (Epub 2018 May 25).

Schröder, S., Juerß, D., Kriesen, S., Manda, K., Hildebrandt, G. (2018): **Immunomodulatory Properties of low-dose ionizing Radiation on Human Endothelial Cells.** Int. J. Radiat. Biol. ...(..): ... (Epub 2018 Jun 08).

Baaße, A., Machoy, F., Juerß, D., Baake, J., Stang, F., Reimer, T., Krapohl, B.D., Hildebrandt, G. (2018): **Radiation sensitivity of adipose-derived stem cells isolated from breast tissue.** Int. J. Mol. Sci. ...(..): ..... (Epub 2018 Jul 06).