Liste de publications de Dirk Van Gestel

Liste établie en fonction du Guide du proposant FNRS Année 2019

3. Articles publiés dans des journaux à comité de lecture

1. De Bruyn, P., **Van Gestel, D.**, Ost, P., Kruse, V., Brochez, L., Van Vlierberghe, H., Devresse, A., Del Marmol, V., Le Moine, A., & Aspeslagh, S. (2019, février 01). Immune checkpoint blockade for organ transplant patients with advanced cancer: how far can we go? *Current opinion in oncology*, 31(2), 54-64. doi:10.1097/CCO.0000000000000505

2. Alhamada, H., Simon, S., Philippson, C., Vandekerkhove, C., Jourani, Y., Pauly, N., **Van Gestel, D.**, & Reynaert, N. (2019, janvier). 3D Monte Carlo dosimetry of intraoperative electron radiation therapy (IOERT) *Physica medica*, 57, 207-214. doi:10.1016/j.ejmp.2018.12.037
   https://dipot.ulb.ac.be/dspace/bitstream/2013/283753/1/Elsevier_267380.pdf

3. Schatteman, J., **Van Gestel, D.**, Berwouts, D., De Gersem, W., De Kerf, G., De Neve, W., De Ost, B., Olteanu, A. M. L., Rottey, S., Vercauteren, T., Goethals, I., & Duprez, F. (2018, août). A feasibility study on adaptive 18F-FDG-PET-guided radiotherapy for recurrent and second primary head and neck cancer in the previously irradiated territory. *Strahlentherapie und Onkologie*, 194(8), 727-736. doi:10.1007/s00066-018-1293-3

4. Repullo, D., Diaz, M., Holbrechts, S., Gomez-Galdon, M., **Van Gestel, D.**, Bohlok, A., Liberale, G., & Donckier De Donceel, V. (2018, mars). Unusual presentation of a hepatocellular carcinoma as a potential late side effect of radiotherapy in a patient treated for Wilms tumor in childhood *World Journal of Surgical Oncology*, 16(1), 48. doi:10.1186/s12957-018-1346-1
   https://dipot.ulb.ac.be/dspace/bitstream/2013/269735/3/PMC5842595.pdf

5. De Caluwé, A., Termote, K., **Van Gestel, D.**, & Van Limbergen, E. V. M. E. (2018). Dose-response in choroidal melanoma. *Radiotherapy and oncology*, 127(3), 374-378. doi:10.1016/j.radonc.2018.03.019
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6. Chitapanarux, I., Janlaor, S., Kayan, P., Traisathit, P., **Van Gestel, D.**, Nobnop, W., Sripan, P., Chumachote, A., Tharavichitkul, E., Chakrabandhu, S., Klunklin, P., Onchan, W., & Jia-Mahasap, B. (2017). The outcome of the first 100 nasopharyngeal cancer patients in Thailand treated by helical tomotherapy *Radiology and oncology*, 51(3), 351-356. doi:10.1515/raon-2017-0017
   https://dipot.ulb.ac.be/dspace/bitstream/2013/259474/1/PMC5612000.pdf

7. Van den Steen, L., Vanderveken, O. O., Vanderwegen, J., **Van Gestel, D.**, Daisne, J.-F., Allouche, J., Delacroix, L., Van Rompaey, D., Beauvois, S., Cvilic, S., Mariën, S., Desuter, G., Vermorken, J. B., Van den Weyngaert, D., Specenier, P. M., Van Laer, C., Peeters, M., Van de Heyning, P., Chantrain, G., Lawson, G., Lazarus, C., De Bodt, M. M., Van Nuffelen, G., & Member of the Belgian Cancer Plan 29_033_Dysphagia Group, (2017). Feasibility of tongue strength measurements during (chemo)radiotherapy in head and neck cancer patients. *Supportive care in cancer*, 25(11), 3417-3423. doi:10.1007/s00520-017-3761-1

8. Hoefkens, F., Dehandschutter, C., Somville, J., Meijnders, P., & **Van Gestel, D.** (2016, octobre). Soft tissue sarcoma of the extremities: Pending questions on surgery and radiotherapy *Radiation oncology*, 11(1), 136. doi:10.1186/s13014-016-0668-9
https://dipot.ulb.ac.be/dspace/bitstream/2013/243906/3/PMC5062836.pdf

9. Vanderveken, O. O., Peeters, M., Vermorken, J. B., Szturz, P., Specenier, P. M., Merlano, M. C. A. M., Benasso, M., **Van Gestel, D.**, Wouters, K., Van Laer, C., & Van Den Weyngaert, D. (2015, décembre). Gemcitabine-based chemoradiation in the treatment of locally advanced head and neck cancer: Systematic review of literature and meta-analysis *The oncologist*, 21(1), 59-71. doi:10.1634/theoncologist.2015-0246
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10. **Van Gestel, D.**, De Kerf, G., Wouters, K., Crijns, W., Vermorken, J. B., Grégoire, V., & Verellen, D. (2015, décembre). Fast Helical Tomotherapy in a head and neck cancer planning study: Is time priceless? *Radiation oncology*, 10(1), 261. doi:10.1186/s13014-015-0556-8
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11. De Kerf, G., **Van Gestel, D.**, Mommaerts, L., Van Den Weyngaert, D., & Verellen, D. (2015, septembre). Evaluation of the optimal combinations of modulation factor and pitch for Helical TomoTherapy plans made with TomoEdge using Pareto optimal fronts *Radiation oncology*, 10(1), 191. doi:10.1186/s13014-015-0497-2
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12. Chitapanarux, I., Chomprasert, K., Nobnaop, W., Wanwilairat, S., Tharavichitkul, E., Jakrabhandu, S., Onchan, W., Traisathit, P., & **Van Gestel, D.** (2015, mai). A dosimetric comparison of two-phase adaptive intensity-modulated radiotherapy for locally advanced nasopharyngeal cancer. *Journal of radiation research*, 56(3), 529-538. doi:10.1093/jrr/rru119
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13. **Van Gestel, D.**, Van den Weyngaert, D., De Kerf, G., De Ost, B., Vanderveken, O. O., Van Laer, C., Specenier, P. M., Geussens, Y., Wouters, K., Meulemans, E., Cheung, K.-J., Grégoire, V., & Vermorken, J. B. (2015, mars). Helical tomotherapy in head and neck cancer: a European single-center experience. *The oncologist*, 20(3), 279-290. doi:10.1634/theoncologist.2014-0337
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14. Wouters, A., Pauwels, B., Burrows, N., Baay, M., Deschoolmeester, V., Vu, T. N., Laukens, K., Meijnders, P., **Van Gestel, D.**, Williams, K. J., Van den Weyngaert, D., Vermorken, J. B., Pauwels, P., Peeters, M., & Lardon, F. (2014, août). The radiosensitising effect of gemcitabine and its main metabolite dFdU under low oxygen conditions is in vitro not dependent on functional HIF-1 protein. *BMC cancer*, 14, 594. doi:10.1186/1471-2407-14-594
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15. Nuyts, S., Lambrecht, M., Duprez, F., Daisne, J.-F., **Van Gestel, D.**, Van den Weyngaert, D., Platteaux, N., Geussens, Y., Voordeckers, M., Madani, I., & De Neve, W. (2013, novembre). Reduction of the dose to the elective neck in head and neck squamous cell carcinoma, a randomized clinical trial using intensity modulated radiotherapy (IMRT).

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16. **Van Gestel, D.**, Verellen, D., Van De Voorde, L., de Ost, B., De Kerf, G., Vanderveken, O. O., Van Laer, C., Van den Weyngaert, D., Vermorken, J. B., & Gregoire, V. (2013, juin). The potential of helical tomotherapy in the treatment of head and neck cancer. *The oncologist*, 18(6), 697-706. doi:10.1634/theoncologist.2012-0424
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17. **Van Gestel, D.**, van Vliet-Vroegindeweij, C., Van den Heuvel, F., Crijns, W., Coelmont, A., De Ost, B., Holt, A., Lamers, E., Geussens, Y., Nuyts, S., Van den Weyngaert, D., Van den Wyngaert, T., Vermorken, J. B., & Grégoire, V. (2013, février). RapidArc, SmartArc and TomoHD compared with classical step and shoot and sliding window intensity modulated radiotherapy in an oropharyngeal cancer treatment plan comparison. *Radiation oncology*, 8, 37. doi:10.1186/1748-717X-8-37
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18. Holt, A., **Van Gestel, D.**, Arends, M. P., Korevaar, E. E., Schuring, D., Kunze-Busch, M. M., Louwe, R. J., & van Vliet-Vroegindeweij, C. (2013, janvier). Multi-institutional comparison of volumetric modulated arc therapy vs. intensity-modulated radiation therapy for head-and-neck cancer: a planning study. *Radiation oncology*, 8, 26. doi:10.1186/1748-717X-8-26
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19. Van De Voorde, L., Speeckaert, R., **Van Gestel, D.**, Bracke, M., De Neve, W., Delanghe, J., & Speeckaert, M. (2012, octobre 01). DNA methylation-based biomarkers in serum of patients with breast cancer. *Mutation research*, 751(2), 304-325. doi:10.1016/j.mrrev.2012.06.001
https://dipot.ulb.ac.be/dspace/bitstream/2013/267220/1/Elsevier_250847.pdf

20. **Van Gestel, D.**, Van Den Weyngaert, D., Schrijvers, D., Weyler, J., & Vermorken, J. B. (2011, avril). Intensity-modulated radiotherapy in patients with head and neck cancer: a European single-centre experience. *British journal of radiology*, 84(1000), 367-374. doi:10.1259/bjr/67058055
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21. Grégoire, V., De Neve, W., Eisbruch, A., Lee, N., Van den Weyngaert, D., & **Van Gestel, D.** (2007, mai). Intensity-modulated radiation therapy for head and neck carcinoma. *The oncologist*, 12(5), 555-564. doi:10.1634/theoncologist.12-5-555

4. Articles publiés dans des actes de conférence

1. Bouchart, C., Trepant, A.-L., Hein, M., **Van Gestel, D.**, Salmon, I., & Demetter, P. (2018, avril). Evolution of OLIG2 expression during radio(chemo)therapy has a prognostic value in glioblastoma. *Radiotherapy and oncology*, 127, 1280-1281. doi:https://doi.org/10.1016/S0167-8140(18)32630-6
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