



## Peer reviewed scientific publications by BCR

### 2020

- 1) Stordeur S, Schillemans V, Savoye I, Vanschoenbeek K, Leroy R, Macq G, Verleye L, De Gendt C, Nuyts S, Vermorken J, Beguin C, Grégoire V, Van Eycken L. **Comorbidity in head and neck cancer: Is it associated with therapeutic delay, post-treatment mortality and survival in a population-based study?** *Oral Oncology* 2020;102: . doi: 10.1016/j.oraloncology.2019.104561 <https://doi.org/10.1016/j.oraloncology.2019.104561>
- 2) Tosco, L., Devos, G., De Coster, G., Roumeguère, T., Everaerts, W., Quackels, T., Dekuyper, P., Van Cleynenbreugel, B., Van Damme, N., Van Eycken, E., Ameye, F., Joniau, S., Be-RALP(Belgian Robotic-Assisted Laparoscopic Pros, **Development and external validation of a nomogram to predict lymph node invasion after robot assisted radical prostatectomy.** *Urol Oncol* 2020, 38 (2), 37.e11-37.e20. doi: 10.1016/j.urolonc.2019.10.001 <https://doi.org/10.1016/j.urolonc.2019.10.001>
- 3) Nevens D., Kindts I., Defourny N., Boesmans L., Van Damme N., Engels H., Van de Voorde C. and Lievens Y. **The financial impact of SBRT for oligometastatic disease: A population-level analysis in Belgium.** *Radiotherapy and Oncology* 2020, 145 : 215-222. doi: 10.1016/j.radonc.2020.01.024 <https://doi.org/10.1016/j.radonc.2020.01.024>
- 4) Guo F., De Brabander I., Francart J., Candeur M., Polus M., Van Eycken L. and Brenner H. **Benefits of switching from guaiac-based faecal occult blood to faecal immunochemical testing: experience from the Wallonia-Brussels colorectal cancer screening programme.** *Br J Cancer* 2020, 122 : 1109-1117 doi: 10.1038/s41416-020-0754-5 <https://doi.org/10.1038/s41416-020-0754-5>
- 5) Leroy R, Silversmit G, Stordeur S, De Gendt C, Verleye L, Schillemans V, Savoye I, Van Eycken L, Deron P, Hamoir M, Vermorken J, Grégoire V, Nuyts S. **Improved survival in head and neck cancer patients treated in high volume centres: A population-based study in Belgium.** *European Journal of Cancer* 2020; 130:81-91. doi: 10.1016/j.ejca.2020.01.024 <https://doi.org/10.1016/j.ejca.2020.01.024>
- 6) Demoury C., De Schutter H., Faes C., Carbonnelle S., Molenberghs G., Van Damme N., Van Nieuwenhuysse A. and Vleminckx C. **Thyroid cancer incidence near nuclear sites in Belgium: and ecological study at small geographical level.** *International Journal of Cancer* 2019 <https://doi.org/10.1002/ijc.32796>
- 7) Geldof T., Van Damme N., Huys I., Van Dyck W. **Patient-Level Effectiveness Prediction Modeling for Glioblastoma Using Classification Trees.** *Front Pharmacol.* 2020 Jan 31;10:1665. doi: 10.3389/fphar.2019.01665. <https://doi.org/10.3389/fphar.2019.01665> eCollection 2019.



- 8) Geldof T., Popovic D., Van Damme N., Huys I., Van Dyck W. **Nearest Neighbour Propensity Score Matching and Bootstrapping for Estimating Binary Patient Response in Oncology: A Monte Carlo Simulation.** *Sci Rep.* 2020 Jan 22;10(1):964. doi: 10.1038/s41598-020-57799-w. <https://doi.org/10.1038/s41598-020-57799-w>
- 9) Draulans C., Van Damme N., Isebaert S., Everaerts W., Silversmit G., Joniau S., De Meerleer G., Van Eycken E., Haustermans K., on behalf of Be-RALP. **Variation in adjuvant and early salvage radiotherapy after robot-assisted radical prostatectomy for prostate cancer: a population based cohort study.** *Acta Oncologica* 2020 59(8): 904-910 doi: 10.1080/0284186X.2020.1759824 <https://doi.org/10.1080/0284186X.2020.1759824>
- 10) George G., Garmo H., Scailteux L-M. , Balusson F., De Coster G., De Schutter H., Kuiper J.G., Oger E., Verbeeck J., Van Hemelrijck M. **Risk of cardiovascular disease following GnRH agonists versus antagonists in prostate cancer: Real-world evidence from five databases.** *International Journal of Cancer*
- 11) Soetewey A., Legrand, C., Denuit, M. Silversmit G. **Waiting period from diagnosis for mortgage insurance issued to cancer survivors.** *Eur. Actuar. J.* (2020). doi.org/10.1007/s13385-020-00254-x <https://doi.org/10.1007/s13385-020-00254-x>
- 12) Roskamp M., Verbeeck J., Sass V., Gadeyne S., Verdoodt F., De Schutter H. **Social inequalities Social Inequalities in Cancer Survival in Belgium: A Population-Based Cohort Study** *Cancer Epidemiol Biomarkers Prev* 2020 doi: 10.1158/1055-9965.EPI-20-072 <https://10.1158/1055-9965.EPI-20-072>
- 13) Van Hemelrijck W, De Schutter H., de Valk H.A.G., Silversmit G., Roskamp M., Vandenheede H. **Breast cancer by migrant background in Belgium: lower risk, but worse survival in women of non-European origin.** *Int. J. Cancer* 2020 147, 350–360 DOI: 10.1002/ijc.32726 <https://10.1002/ijc.32726>

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- 1) Claassen Y.H.M., Bastiaannet E., ... Van Eycken E., De Schutter H., et al., **International comparison of treatment strategy and survival in metastatic gastric cancer.** *BJS Open* 2019, 3: 56-61. doi: 10.1002/bjs5.103 <https://doi.org/10.1002/bjs5.103>
- 2) Hoeck S., van de Veerdonk W., De Brabander I. and Kellen E. **Does the Flemish colorectal cancer screening programme reach equity in FIT uptake?** *European Journal of Public Health* 2019, vol 0, nr 0 – 1-7. doi: 10.1093/eurpub/ckz043 <https://doi.org/10.1093/eurpub/ckz043>
- 3) Huang L., Balavarca Y., ... Van Eycken E., De Schutter H., et al., **Development and validation of a prognostic model to predict the prognosis of patients who underwent chemotherapy and resection of pancreatic adenocarcinoma: a large international population-based cohort study.** *BMC Med.* 2019, 17:66 doi: 10.1186/s12916-019-1304-y <https://doi.org/10.1186/s12916-019-1304-y>
- 4) Lacroix O., Couttenier A., Vaes E., Cardwell CR., De Schutter H. and Robert A. **Statin use after diagnosis is associated with an increased survival in esophageal cancer patients: a Belgian population-based study.**



- 5) George G., Scailteux L.M., Garmo H., Balusson F., Cardwell C., De Coster G., De Schutter H., Kuiper J.G., McMenamin Ú., Verbeeck J., Van Hemelrijck M. **Real-world insights into risk of developing cardiovascular disease following GnRH agonists versus antagonists for prostate cancer: a methodological protocol to a study using five European databases.** *Fundam Clin Pharmacol.* 2019, 33(4):479-499. doi: 10.1111/fcp.12454. <https://doi.org/10.1111/fcp.12454>
- 6) Schillemans V., Vrijens F., De Gendt C., Robays J., Silversmit G., Verleye L., Camberlin C., Dubois C., Stordeur S., Wauters I., Van Meerbeeck J.P., Van Eycken E., De Leyn P. **Association between surgical volume and post-operative mortality and survival after surgical resection in lung cancer in Belgium: A population-based study.** *Eur J Surg Oncol.* 2019 doi: 10.1016/j.ejso.2019.05.017. <https://doi.org/10.1016/j.ejso.2019.05.017>
- 7) Vande Loock K., Van der Stock E., Debuquoy A., Emmerechts K., Van Damme N. and Marbaix E. on behalf of the steering committee of the Belgian Virtual Tumorbank. **The Belgian Virtual Tumorbank: A Tool for Translational Cancer Research.** *Front. Med.* 2019 <https://doi.org/10.3389/fmed.2019.00120>
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- 9) Claassen Y.H.M., Bastiaannet E., Van Eycken E., Van Damme N., Martling A., Johansson R., Iversen L.H., Ingeholm P., Lemmens V.E.P.P., Liefers G.J., Holman F.A., Dekker J.W.T., Portielje J.E.A., Rutten H.J., van de Velde C.J.H. **Time trends of short-term mortality for octogenarians undergoing a colorectal resection in North Europe.** *Eur J Surg Oncol.* 2019 45(8):1396-1402. doi: 10.1016/j.ejso.2019.03.041 <https://doi.org/10.1016/j.ejso.2019.03.041>
- 10) Poelaert F., Joniau S., Roumeguère T., Ameye F., De Coster G., Dekuyper P., Quackels T., Van Cleynenbreugel B., Van Damme N., Van Eycken E., Mottrie A., Lumen N.; Belgian RALP Consortium **Current Management of pT3b Prostate Cancer After Robot-assisted Laparoscopic Prostatectomy.** *Eur Urol Oncol.* 2019 2(1):110-117. doi: 10.1016/j.euo.2018.05.005 <https://doi.org/10.1016/j.euo.2018.05.005>
- 11) Minicozzi P., Van Eycken L., Molinie F., Innos K., Guevara M., Marcos-Gragera R., Castro C., Rapiti E., Katalinic A., Torrella A., Žagar T., Bielska-Lasota M., Giorgi Rossi P., Larrañaga N., Bastos J., Sánchez M.J., Sant M.; European HR Working Group on breast cancer. **Comorbidities, age and period of diagnosis influence treatment and outcomes in early breast cancer.** *Int J Cancer.* 2019 144(9):2118-2127. doi: 10.1002/ijc.31974 <https://doi.org/10.1002/ijc.31974>



- 12) Couttenier A., Lacroix O., Silversmit G., Vaes E., De Schutter H., Robert A. **Beta-blocker use and mortality following ovarian cancer diagnosis: a population-based study.** *Cancer Epidemiol.* 2019 62:101579. doi: 10.1016/j.canep.2019.101579 <https://doi.org/10.1016/j.canep.2019.101579>
- 13) Poirel H.A., Vanspauwen M., Macq G., De Geyndt A., Maertens J., Willems E., Selleslag D., Poiré X., Theunissen K., Graux C., Kerre T., Zachée P., Meuleman N., De Becker A., Verlinden A., Van Obbergh F., Schuermans C., De Wilde V., Jaspers A., Pranger D., Deeren D., Van Riet I., Vaes E., Beguin Y.; Belgian Transplant Registry and the Belgian Haematological Society's Transplant committee. **Providing both autologous and allogeneic hematopoietic stem cell transplants (HSCT) may have a stronger impact on the outcome of autologous HSCT in adult patients than activity levels or implementation of JACIE at Belgian transplant centres.** *Bone Marrow Transplant.* 2019 54:1434-1442. doi: 10.1038/s41409-019-0458-8 <https://doi.org/10.1038/s41409-019-0458-8>
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- 16) van de Veerdonk W., Hoeck S., Peeters M., Van Hal G., Francart J. and De Brabander I. **Occurrence and characteristics of screen-detected and non-screen-detected cancers after start-up of a regional colorectal cancer screening programme.** *United European Gastroenterology Journal* 2019 1-10 <https://doi.org/10.1177/2050640619882157>

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- 3) Pusceddu S., Barretta F., Trama A., Botta L., Milione M., Buzzoni R., De Braud F., Mazzaferro V., Pastorino U., Seregni E., Mariani L., Gatta G., Di Bartolomeo M., Femia D., Prinzi N., Coppa J., Panzuto F., Antonuzzo L.,



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- 4) Derks M.G.M., Bastiaannet E., Kiderlen M., Hilling D.E., Boelens P.G., Walsh P.M., Van Eycken E., Siesling S., Broggio J., Wyld L., Trojanowski M., Kolacinska A., Chalubinska-Fendler J., Gonçalves A.F., Nowikiewicz T., Zegarski W., Audisio R.A., Liefers G.-J., Portielje J.E.A. and van de Velde C.J.H. on behalf of the EURECCA Breast Cancer Group, **Variation in treatment survival of older patients with non-metastatic breast cancer in five European countries: a population-based cohort study from the EURECCA Breast Cancer Group,** *British J of Cancer*, 2018 119: 121-129 doi: 10.1038/s41416-018-0090-1 <https://doi.org/10.1038/s41416-018-0090-1>
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- 17) Claassen Y.H.M., Dikken J.L., Hartgrink H.H., de Steur W.O., Slingerland M., Verhoeven R.H.A, Van Eycken E., De Schutter H., Johansson J., Rouvelas I., Johnson E., Hjortland G.O., Jensen L.S., Larsson H.J., Allum W.H., Portiejle J.E.A., Bastiaannet E., van de Velde C.J.H **North European comparison of treatment strategy and survival in older patients with resectable gastric cancer: A EURECCA upper gastrointestinal group analysis.** *Eur J Surg Oncol* 2018 44(12): 1982-1989 <https://doi.org/10.1016/j.ejso.2018.09.014>
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