



PUBLICATIES

Betreffende BOOG Studies

Maart 2024

Publicaties betreffende BOOG studies

d.d. maart 2024

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BOOG 2001-01 / TEAM**Ten-year distant-recurrence risk prediction in breast cancer by CanAssist Breast (CAB) in Dutch sub-cohort of the randomized TEAM trial**

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BOOG 2002-02 / HERTAX

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2. **Pregnancy during and following adjuvant trastuzumab in patients with HER2-positive breast cancer: An analysis from the HERA trial**
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BOOG 2003-02 / CALOR

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International Breast Cancer Study Group, Breast International Group, NRG Oncology (NSABP Legacy)**

Irene Wapnir, Karen N. Price, Stewart J. Anderson, Andre Robidoux, Miguel Martín, J. W. R. Nortier, Alexander H. G. Paterson, Mothaffar F. Rimawi, István Láng, José Manuel Baena Cañada, Beat J. K. Thürlimann, Eleftherios P. Mamounas, Charles E. Geyer Jr., Shari Gelber, Alan S. Coates, Richard D. Gelber, Priya Rastogi, Meredith M. Regan, Norman Wolmark, Stefan Aebi

Poor Prognosis After Second Locoregional Recurrences in the CALOR Trial

Irene L. Wapnir, MD1, Shari Gelber, MS2, Stewart J. Anderson, PhD3, Eleftherios P. Mamounas, MD4, Andre´ Robidoux, MD5, Miguel Marti´n, MD6, Johan W. R. Nortier, MD7, Charles E. Geyer Jr, MD8, Alexander H. G. Paterson, MD9, Istva´n La´ng, MD10, Karen N. Price, BS2, Alan S. Coates, MD11, Richard D. Gelber, PhD12, Priya Rastogi, MD13, Meredith M. Regan, ScD14, Norman Wolmark, MD15, Stefan Aebi, MD16, and On behalf of CALOR trial investigators.
Annals of Surgical Oncology – 2017

Chemotherapy for isolated locoregional recurrence of breast cancer (CALOR): a randomised trial

Dr Stefan Aebi, Shari Gelber , Stewart J Anderson, Istva´n La´ng , Andre´ Robidoux , Miguel Marti´n , Johan W R Nortier , Alexander H G Paterson ,, Mothaffar F Rimawi ,, Jos´e Manuel Baena Cañada ,, Beat Thürlimann MD c o, Elizabeth Murray MD p, Eleftherios P Mamounas MD q, Charles E Geyer MD r, Karen N Price ,, Alan S Coates , t, Richard D Gelber ,, Priya Rastogi ,, Norman Wolmark ,, Irene L Wapnir
The Lancet Oncology, Volume 15, Issue 2, Pages 156 - 163, February 2014

Chemotherapy Prolongs Survival for Isolated Local or Regional Recurrence of Breast Cancer: The CALOR Trial (Chemotherapy as Adjuvant for Locally Recurrent Breast Cancer; IBCSG 27-02, NSABP B-37, BIG 1-02)

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SABCS 2012

Patterns of locoregional failure in the CALOR (Chemotherapy as Adjuvant for LOcally Recurrent Breast Cancer) Trial IBCSG 27-02, NSABP B-37, BIG 1-02

Irene L. Wapnir, Shari Gelber, István Láng, Stewart J. Anderson, André Robidoux, Miguel Martín, Johan W.R. Nortier, Eleftherios P. Mamounas, Charles E. Geyer, Jr., Rudolf Maibach, Richard D. Gelber, Norman Wolmark, Stefan Aebi

Accepted SABCS 2012

Progress on BIG 1-02/IBCSG 27-02/ NSABP B-37, A Prospective Randomized Trial of Evaluating Chemotherapy after Local Therapy for Isolated Locoregional Recurrences of Breast Cancer

Irene L. Wapnir, Stefan Aebi, Shari Gelber, Charles E. Geyer, Stewart Anderson, István Láng, Andre Robidoux A, Mamounas EP, Wolmark N
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BOOG 2004-01 / Young Boost (CKTO 2003-13)**A case-control study to identify molecular risk factors for local recurrence in young breast cancer patients**

Sophie C.J. Bosma, Marlous Hoogstraat, Erik van Werkhoven, Michiel de Maaker, Femke van der Leij, Paula H.M. Elkhuisen, Alain Fourquet, Philip Poortmanseh, Liesbeth J. Boersma, Harry Bartelink, Marc J. van de Vijver, Young Boost Trial research group

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The influence of the boost dose on cosmetic outcome after breast conserving therapy: results of the Young Boost Trial

P.J.A.M. Brouwers^a, E van Werkhoven^b, B. Hanbeukers^a, J. van Loon^a, J.W. Leer^c, P.M. Poortmans^c, H. Bartelink^b and L.J. Boersma^a on behalf of the Young Boost Trial research group.

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BOOG 2004-02 / TBP**Trastuzumab beyond progression: Overall survival analysis of the GBG 26/BIG 3-05 phase III study in HER2-positive breast cancer.**

von Minckwitz G, Schwedler K, Schmidt M, Barinoff J, Mundhenke C, Cufer T, Maartense E, de Jongh FE, Baumann KH, Bischoff J, Harbeck N, Lück HJ, Maass N, Zielinski C, Andersson M, Stein RC, Nekljudova V, Loibl S; On behalf of the GBG 26/BIG 03-05 study group and participating investigators.

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Final Overall Survival Analysis of the TBP Phase III Study (GBG 26/BIG 3-05): Capecitabine vs. Capecitabine + Trastuzumab in Patients with HER2-Positive Metastatic Breast Cancer Progressing during Trastuzumab Treatment.

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JCO Vol 27, Nr 12, April 20, 2009

Media Release: Trastuzumab improves the efficacy of chemotherapy in breast cancer treatment beyond progression (results of a multicenter, randomized phase III study comparing capecitabine alone versus in combination with trastuzumab in patients with HER2-positive metastatic breast cancer and progression after previous treatment with trastuzumab)

German Breast Group, September 14, 2008

Continuering van combinatietherapie bij behandeling van uitgezaaide borstkanker remt ziekteprogressie

Persbericht 9 juni 2008

Capecitabine vs. capecitabine + trastuzumab in patients with HER-2 positive metastatic breast cancer progressing during trastuzumab treatment – the TBP phase III study (GBG 26 / BIG 3-05)

Von Minckwitz G, Zielinski C, Maartense E, du Bois A, Schmidt M, Maass N, Cufer T, De Jongh FE, Andersson M, Stein R, Kaufmann M, Nekljudova V, Loibl S

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BOOG 2004-04 / MATADOR

Luminal breast cancer identity is determined by loss of glucocorticoid receptor activity

Stefan Prekovic #, Theofilos Chalkiadakis #, Merel Roest #, Daniel Roden, Catrin Lutz, Karianne Schuurman, Mark Opdam, Liesbeth Hoekman, Nina Abbott, Tanja Tesselaar, Maliha Wajahat, Amy R Dwyer, Isabel Mayayo-Peralta, Gabriela Gomez, Maarten Altelaar, Roderick Beijersbergen, Balázs Gyórfy, Leonie Young, Sabine Linn, Jos Jonkers, Wayne Tilley, Theresa Hickey, Damir Vareslija, Alexander Swarbrick, Wilbert Zwart

EMBO Mol Med. 2023

Differential Survival and Therapy Benefit of Patients with 4 Breast Cancer Are Characterized By Distinct Epithelial and Immune Cell Microenvironments

Lennart Kester, Danielle Seinstra, Annelot G.J. van Rossum, Claire Vennin, Marlous Hoogstraat, Daphne van der Velden, Mark Opdam, Erik van Werkhoven, Kerstin Hahn, Iris Nederlof, Ester H. Lips, Ingrid A.M. Mandjes, A.Elise van Leeuwen-Stok, Sander Canisius, Harm van Tinteren, Alex L.T. Imholz, Johanneke

E.A. Portielje, Monique E.M.M. Bos, Sandra D. Bakker, Emiel J. Rutgers, Hugo M. Horlings, Jelle Wesseling, Emile E. Voest, Lodewyk F.A. Wessels, Marleen Kok, Hendrika M. Oosterkamp, Alexander van Oudenaarden, Sabine C. Linn, and Jacco van Rheeën
Clin Cancer Res 2022

FER regulates endosomal recycling and is a predictor for adjuvant taxane benefit in breast cancer

Sandra Tavares, Nalan Liv, Milena Pasolli, Mark Opdam, Max A K Rätze, Manuel Saornil, Lilian M Sluimer, Rutger C C Hengeveld, Robert van Es, Erik van Werkhoven, Harmjan Vos, Holger Rehmann, Boudewijn M T Burgering, Hendrika M Oosterkamp, Susanne M A Lens, Judith Klumperman, Sabine C Linn, Patrick W B Derksen
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A randomized biomarker trial to identify a predictive gene expression profile for adjuvant taxane benefit in breast cancer

M. Opdam*, A.G.J. van Rossum*, M. Hoogstraat, G. Bounova, H.M. Horlings, E. van Werkhoven, I.A.M. Mandjes, A.E. van Leeuwen – Stok, S. Canisius, H. van Tinteren, A.L.T. Imholz, J.E.A. Portielje, M.E.M.M. Bos, S. Bakker, J. Wesseling, L. Kester, J. van Rheeën, E.J. Rutgers, R. X. de Menezes, L.F.A. Wessels, M. Kok*, H.M. Oosterkamp*, S.C. Linn*; and the MATADOR trialists' group for the Dutch Breast Cancer Research Group (BOOG)
Submitted

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Multi-centric validation of an AI-based sTIL% scoring model for breast cancer H&E whole-slide images

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N.C.Miltenburg, M.Opdam, M.Winter, M.van Geer, H.M.Oosterkamp, W.Boogerd en S.C.Linn
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BOOG 2005-03 / MINDACT**Outcome without any adjuvant systemic treatment in stage I ER+/HER2- breast cancer patients included in the MINDACT trial.**

Lopes Cardozo JMN, Byng D, Drukker CA, et al.

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Combining method of detection and 70-gene signature for enhanced prognostication of breast cancer.

Lopes Cardozo JMN, Schmidt MK, van 't Veer LJ, Cardoso F, Poncet C, Rutgers EJT, Drukker CA.

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Josephine Lopes Cardozo, Caroline Drukker, Marjanka Schmidt, Laura van 't Veer, Annuska Glas, Anke Witteveen, Fatima Cardoso, Martine Piccart, Coralie Poncet, Emiel Rutgers.

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70-gene signature as an aid for treatment decisions in early breast cancer: updated results of the Phase 3 randomized MINDACT trial with an exploratory analysis by age.

M Piccart, LJ van 't Veer, C. Poncet, JMN Lopes Cardozo, S Delalogue, JY Pierga, P Vuylsteke, E Brain, S Vrijaldenhoven, PA Neijenhuis, S Causeret, TJ Smilde, G Viale, AM Glas, M Delorenzi, C Sotiriou, IT Rubio, S Kümmel, G Zoppoli, AM Thompson, E Matos, K Zaman, F Hilbers, D Fumagalli, P Ravdin, S Knox, K Tryfonidis, A Perić, B. Meulemans, J Bogaerts, F Cardoso, EJTh Rutgers, on behalf of all MINDACT investigators.

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Geactualiseerde resultaten van de klinische studie MINDACT

F. Cardoso

BIG against breast cancer 05-06-2020

How low is low risk: MINDACT updated outcome and treatment benefit in patients considered clinical low risk and stratified by genomic signature, age and nodal status

Laura J van 't Veer et al,

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Outcome without adjuvant systemic treatment in breast cancer patients included in the MINDACT trial

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Clinical Utility of MammaPrint testing in Invasive Lobular Carcinoma: Results from the MINDACT phase III trial.

Metzger O, Cardoso F, Poncet C et al.

EBCC-12 ORAL-007, plenary session

Updated results of the MINDACT trial: 70-gene signature to guide de-escalation of chemotherapy in early breast cancer.

Rutgers E J T,

EBCC-12, ORAL-021, proffered papers session

Screen-detected breast cancers have different tumour biology and better prognosis compared to interval breast cancers.

Lopes Cardozo J,

EBCC-12, ORAL-011, proffered papers session

Standard Anthracycline Based Versus Docetaxel-Capecitabine in Early High Clinical and/or Genomic Risk Breast Cancer in the EORTC 10041/BIG 3-04 MINDACT Phase III Trial.

Delalogue S, Piccart M, Rutgers E, Litiere S, Van't Veer L, van den Berkmortel F, Brain E, Dudek-Peric A, Gil-Gil M, Gomez P, Hilbers F, Khalil Z, Knox S, Kuemmel S, Kunz G, Lesur A, Pierga JY, Ravdin P, Rubio I, Saghatchian M, Smilde T, Thompson A, Viale G, Zoppoli G, Vuylsteke P, Tryfonidis K, Poncet C, Bogaerts J, Cardoso F, MINDACT Investigators and the TRANSBIG Consortium.

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Aalders KC, Kuijter A, Straver ME, Slaets L, Litiere S, Viale G, Vant Veer LJ, Glas AM, Delorenzi M, van Dalen T, Tryfonidis K, Piccart-Gebhart M, Cardoso F, Rutgers EJ

Eur J Cancer. 2017; 79:98-105 Jul doi: 10.1016/j.ejca.2017.03.034. Epub 2017 May 3.

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Daily clinical practice of fresh tumour tissue freezing and gene expression profiling; logistics pilot study preceding the MINDACT trial. Mook S, Bonnefoi H, Pruneri G, Larsimont D, Jaskiewicz J, Sabadell MD, Macgrogan G, Van't Veer LJ, Cardoso F, Rutgers EJ.

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The MINDACT trial: the first prospective clinical validation of a genomic tool.

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Pathological assessment of discordant cases for molecular (BluePrint and MammaPrint) vs clinical subtypes for breast cancer, among 6,694 patients from the EORTC 10041/BIG 3-04 (MINDACT) trial

Giuseppe Viale¹, Leen Slaets², Femke A de Snoo³, Jan Bogaerts², Laura J van 't Veer⁴, Emiel J Rutgers⁵, Martine J Piccart-Gebhart⁶, Jeroen van den Akker³, Lisette Stork-Sloots³, Leila Russo¹, Patrizia Dell'Orto¹, Fatima Cardoso⁷

SABCS 2014 publication number: P4-11-08

Are all small tumors low risk? Characterization of small invasive node negative breast cancers (BC) enrolled in the EORTC 10041/BIG 3-04 (MINDACT) trial

Konstantinos Tryfonidis¹, Leen Slaets², Giuseppe Viale³, Femke Snoo⁴, Laura Van't Veers⁵, Emiel Rutgers⁶, Martine Piccart⁷, Jan Bogaerts² and Fatima Cardoso⁸.

SABCS 2014, publication number: P2-03-01

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Stella Mook, Laura Van't Veer, Emiel Rutgers, Martine Piccart-Gebhart and Fatima Cardoso

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BOOG 2006-01 / DATA

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BOOG 2006-02 / OMEGA

A randomized phase III study comparing pegylated liposomal doxorubicin with capecitabine as first-line chemotherapy in elderly patients with metastatic breast cancer: results of the OMEGA study of the Dutch Breast Cancer Research Group BOOG

C. H. Smorenburg; S. M. de Groot; A. E. van Leeuwen-Stok; M. E. Hamaker; A. N. Wymenga; H. de Graaf; F. E. de Jongh; J. J. Braun; M. Los; E. Maartense; H. van Tinteren; J. W. R. Nortier; C. Seynaeve
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Baseline comprehensive geriatric assessment is associated with toxicity and survival in elderly metastatic breast cancer patients receiving single-agent chemotherapy: Results from the OMEGA study of the Dutch Breast Cancer Trialists' Group

M.E. Hamaker, C. Seynaeve, A.N.M. Wymenga, H. van Tinteren, J.W.R. Nortier, E. Maartense, H. de Graaf, F.E. de Jongh, J.J. Braun, M. Los, J.G. Schrama, A.E. van Leeuwen-Stok, S.M. de Groot, C.H. Smorenburg.

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Slow accrual of elderly patients with metastatic breast cancer in the Dutch multicentre OMEGA study

M.E. Hamaker, C. Seynaeve, J.W.R. Nortier, M. Wymenga, E. Maartense, E. Boven, A.E. van Leeuwen-Stok, S.E. de Rooij, B.C. van Munster, C.H. Smorenburg

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Poster SABCS 2012

Frailty screening methods for predicting outcome of a comprehensive geriatric assessment in elderly patients with cancer: a systematic review

Hamaker ME, Jonker JM, de Rooij SE, Vos AG, Smorenburg CH, van Munster BC.
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ASCO 2012 accepted as poster presentation

Toxicities and feasibility associated with PEG doxo versus Capecitabine (Cape) as first line chemotherapy in elderly metastatic breast cancer patients (OMEGA trial)

C. Seynaeve, H. van Tinteren, ANM Wymenga, JWR Nortier, E. Maartense, FE de Jongh, H. de Graaf, SM de Groot, JJ Braun, CH Smorenburg
EBCC-8 2012 accepted as poster presentation

Reasons for low accrual of elderly patients with metastatic breast cancer in the OMEGA study of the Dutch Breast cancer Trialists' Group (BOOG).

ME Hamaker, C Seynaeve, ANM Wymenga, JWR Nortier, E Maartense, FE de Jongh, H de Graaf, JJ Braun, SM de Groot, AE van Leeuwen-Stok, CH Smorenburg
SIOG November 2011 accepted as oral presentation

De OMEGA studie. Een gerandomiseerde fase III-studie betreffende eerstelijnschemotherapie met gepegyleerd liposomaal doxorubicine of capecitabine bij patienten vanaf 65 jaar met gemetastaseerd mammacarcinoom, inclusief geriatrische evaluatie.

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BOOG 2006-03 / SUPREMO

Quality of life after postmastectomy radiotherapy in patients with intermediate-risk breast cancer (SUPREMO): 2-year follow-up results of a randomised controlled trial

G.Velikova, L.J. Williams, S.Willis, J.M. Dixon, J. Lancaster, M. Hatton, et al
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SUPREMO trial management group. Elucidating the role of chest wall irradiation in "intermediate-risk" breast cancer: the MRC/EORTC SUPREMO trial.

I.H. Kunkler, P. Canney, G. Van Tienhoven, N.S. Russell on behalf of the MRC/EORTC (BIG 2-04)
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BOOG 2006-04 / TEAM-II

TEAM IIA

Estrogen Receptor Pathway Activity Score to Predict Clinical Response or Resistance to Neoadjuvant Endocrine Therapy in Primary Breast Cancer.

Inda MA, Blok EJ, Kuppen PJK, Charehbili A, den Biezen-Timmermans EC, van Brussel A, Fruytier SE, Meershoek-Klein Kranenbarg E, Kloet S, van der Burg B, Martens JWM, Sims AH, Turnbull AK, Dixon JM, Verhaegh W, Kroep JR, van de Velde CJH, van de Stolpe A. *Mol Cancer Ther. 2020 Feb;19(2):680-689. doi: 10.1158/1535-7163.MCT-19-0318. Epub 2019 Nov 14.*

Specific adverse events are associated with response to exemestane therapy in postmenopausal breast cancer patients: Results from the TEAMIIA study (BOOG2006-04).

Fontein DB, Charehbili A, Nortier JW, Putter H, Meershoek-Klein Kranenbarg E, Kroep JR, Linn SC, van de Velde CJH.
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ER pathway activity as a predictive biomarker for neoadjuvant endocrine therapy. Blok et al.
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TEAM IIB

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Vliek SB, Noordhoek I, Meershoek-Klein Kranenbarg E, van Rossum AGJ, Dezentje VO, Jager A, Hokken JWE, Putter H, van der Velden AWG, Hendriks MP, Bakker SD, van Riet YEA, Tjan-Heijnen VCG, Portielje JEA, Kroep JR, Nortier JWR, van de Velde CJH, Linn SC.
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Lancet. 2015 Oct 3;386(10001):1353-61.

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D.B.Y.Fontein, C.J.H.van de Velde, A.Charehbil, W.M.Meershoek-Klein Kranenbarg, J.W.R.Nortier, J.R.Kroep, H.Putter, G.J.Liefers, S.C.Linn, Y. van Riet, G. Nieuwenhuijzen, B. de Valk, J.M. Meerumterwogt, G. Algie
Eur J Cancer 2014

BOOG 2006-05 / IDEAL

Breast Cancer Index Predicts Extended Endocrine Benefit to Individualize Selection of Patients with HR+ Early-stage Breast Cancer for 10 Years of Endocrine Therapy.

Noordhoek I, Treuner K, Putter H, Zhang Y, Wong J, Meershoek-Klein Kranenbarg E, Duijm-de Carpentier M, van de Velde CJH, Schnabel CA, Liefers GJ.*Clin Cancer Res. 2021 Jan 1;27(1):311-319. doi: 10.1158/1078-0432.CCR-20-2737. Epub 2020 Oct 27.*

Breast Cancer Index and prediction of benefit from extended endocrine therapy based on treatment compliance: An IDEAL study

ASCO 2021

An optimized Breast Cancer Index node-positive (BCIN+) prognostic model for late distant recurrence in patients with hormone receptor-positive (HR+) node-positive breast cancer.

ESMO 2021

Een vierde abstract is ingediend bij SABCS 2021.

EDITORIAL

Searching for the IDEAL Duration of Adjuvant Endocrine Therapy

Rachel L. Yung, Nancy E. Davidson
JNCI J Natl Cancer Inst (2018)

Optimal Duration of Extended Adjuvant Endocrine Therapy for Early Breast Cancer; Results of the IDEAL Trial (BOOG 2006-05)

Erik J. Blok, Judith R. Kroep, Elma Meershoek-Klein Kranenbarg, Marjolijn Duijm-de Carpentier, Hein Putter, Joan van den Bosch, Eduard Maartense, A. Elise van Leeuwen-Stok, Gerrit-Jan Liefers, Johan W.R. Nortier, Emiel J.Th. Rutgers, Cornelis J.H. van de Velde; on behalf of the IDEAL Study Group
JNCI J Natl Cancer Inst (2018)

Optimal duration of extended adjuvant endocrine therapy for early breast cancer.

Blok E, Kroep J, Meershoek-Klein Kranenbarg E, Duijm-de Carpentier M, Putter H, van den Bosch J, Maartense E, van Leeuwen-Stok E, Liefers G, Nortier J, Rutgers E, van de Velde CJH, on behalf of the IDEAL Study Group
J Natl Cancer Inst. 2017, Mid July on-line

Optimal duration of extended letrozole treatment after 5 years of adjuvant endocrine therapy; results of the randomized phase III IDEAL trial (BOOG 2006-05)

van de Velde CJH, Blok E, Meershoek-Klein Kranenbarg E, Putter H, van den Bosch J, Maartense E, Duijm-de Carpentier M, van Leeuwen-Stok E, Liefers G, Nortier J, Rutgers E, Kroep J
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High non-compliance in the use of letrozole after 2.5 years of extended adjuvant endocrine therapy. Results from the IDEAL randomized trial.

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(2012) Surg Oncol. 2012 Feb;38(2):110-7. Epub 2011 Dec 14.

High Rates of Nonadherence to Aromatase Inhibitors in the Extended Adjuvant Setting

DBY Fontein, JWR Nortier, H Putter, E Meershoek-Klein Kranenbarg, EJTh Rutgers, CJH van de Velde
 Poster #: 5.162 op ECCO 16, 24-27 September 2011, Stockholm

Long term effects of extended adjuvant endocrine therapy on quality of life in breast cancer patients.

Kool M, Fontein DB, Meershoek-Klein Kranenbarg E, Nortier JW, Rutgers EJ, Marang-van de Mheen PJ, van de Velde CJH.
Breast. 2015 Jun;24(3):224-9.

Extended adjuvant endocrine therapy in hormone-receptor positive early breast cancer: current and future evidence.

Blok EJ, Derks MG, van der Hoeven JJ, van de Velde CJH, Kroep JR.
Cancer Treat Rev. 2015 Mar;41(3):271-6.

BOOG 2006-06 / ATX**Genotypes of CYP2C8 and FGD4 and their association with peripheral neuropathy or early dose reduction in paclitaxel-treated breast cancer patients.**

Lam SW, Frederiks CN, van der Straaten T, Honkoop AH, Guchelaar HJ, Boven E.
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The role of pharmacogenetics in capecitabine efficacy and toxicity.

Lam SW, Guchelaar HJ, Boven E.
Cancer Treat Rev. 2016 Aug 10;50:9-22. doi: 10.1016/j.ctrv.2016.08.001. Review.

Angiogenesis- and Hypoxia-Associated Proteins as Early Indicators of the Outcome in Patients with Metastatic Breast Cancer Given First-Line Bevacizumab-Based Therapy.

Lam SW, Nota NM, Jager A, Bos MM, van den Bosch J, van der Velden AM, Portielje JE, Honkoop AH, van Tinteren H, Boven E; ATX Trial Team..
Clin Cancer Res. 2016 Apr 1;22(7):1611-20. doi: 10.1158/1078-0432.CCR-15-1005.

Genetic polymorphisms and paclitaxel- or docetaxel-induced toxicities: A systematic review.

Frederiks CN, Lam SW, Guchelaar HJ, Boven E.
Cancer Treat Rev. 2015 Dec;41(10):935-50. doi: 10.1016/j.ctrv.2015.10.010. Review.

Paclitaxel and bevacizumab with or without capecitabine as first-line treatment for HER2-negative locally recurrent or metastatic breast cancer: a multicentre, open-label, randomised phase 2 trial.

Lam SW, de Groot SM, Honkoop AH, Jager A, ten Tije AJ, Bos MM, Linn SC, van den Bosch J, Kroep JR, Braun JJ, van Tinteren H, Boven E; Dutch Breast Cancer Research Group.
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Plasma biomarker analysis in patients with HER2-negative locally recurrent or metastatic breast cancer (LR/MBC) treated with first-line bevacizumab (A) and paclitaxel (T) without or with capecitabine (X)

Siu W Lam¹, Nienke M Nota¹, Steffen M de Groot², Agnes Jager³, Monique MEM Bos⁴, Sabine C Linn⁵, Joan van den Bosch⁶, Hans J Braun⁷, Ankie MT van der Velden⁸, Maartje Los⁹, Johanneke EA Portielje¹⁰, Judith R Kroep¹¹, Aafke H Honkoop¹², Carolien H Smorenburg¹³, Bea Tanis¹⁴, Johanna MGH van Riel¹⁵, Jetske M Meerum Terwogt¹⁶, Marien O den Boer¹⁷, Joep Douma¹⁸, Frank Jeurissen¹⁹, Johan Berends²⁰, Harm van Tinteren⁵ and Epie Boven¹.
SABCS 2014, publication number P3-06-09

Genetic polymorphisms (SNPs) as predictive markers for paclitaxel-induced peripheral neuropathy (PNP) and capecitabine-induced hand-foot syndrome (HFS) in HER-2 negative metastatic breast cancer patients

Siu W Lam¹, Charlotte N Frederiks¹, Tahar van der Straaten², Steffen M de Groot³, Agnes Jager⁴, Monique MEM Bos⁵, Sabine C Linn⁶, Joan van den Bosch⁷, Hans J Brauns⁸, Ankie MT van der Velden⁹, Maartje Los¹⁰, Joanneke EA Portielje¹¹, Judith R Kroep², Aafke H Honkoop¹², Carolien H Smorenburg¹³,

Bea Tanis¹⁴, Johanna MGH van Riel¹⁵, Jetske M Meerum Terwogt¹⁶, Marien O den Boer¹⁷, Joep Douma¹⁸, Frank Jeurissen¹⁹, Johan Berends²⁰, Henk-Jan Guchelaar² and Epie Boven¹.
SABCS 2014 publication number P6-08-09

Paclitaxel and bevacizumab with or without capecitabine as first-line treatment for HER2-negative locally recurrent or metastatic breast cancer: a multicentre, open-label, randomised phase 2 trial
 S.W. Lam, S.M. de Groot, A.H. Honkoop, A. Jager, A.J. ten Tije, M.M.E.M. Bos, S.C. Linn, J. van den Bosch, J.R. Kroep, J.J. Braun, H. van Tinteren, E. Boven, on behalf of the Dutch Breast Cancer Research Group (BOOG).
Eur J Cancer 2014 (conditionally accepted)

Plasma VEGF-A, angiopoietin-2 (ANG2) and soluble(s)TIE2 in patients (pts) with HER2-negative locally recurrent or metastatic breast cancer (LR/MBC) treated with first-line bevacizumab (A) and paclitaxel (T) without or with capecitabine (X)
 S.W. Lam, S.M. de Groot, A.H. Honkoop, N.M. Nota, A. Jager, A.W.T van der Velden, M.M.E.M. Bos, S.C. Linn, J. van den Bosch, J.R. Kroep, J.J. Braun, R.R. de Haas, C.H. Smorenburg, H. de Graaf, J.E.A. Portielje, M. Los, D.D. Gooyer, H. van Tinteren and E. Boven.
J Clin Oncol 31, 2013 (suppl; abstr 1072)

Plasma VEGF-A, angiopoietin-2 (ANG2) and soluble(s)TIE2 in patients (pts) with HER2-negative locally recurrent or metastatic breast cancer (LR/MBC) treated with first-line bevacizumab (A) and paclitaxel (T) without or with capecitabine (X)
 S.W. Lam, S.M. de Groot, A.H. Honkoop, N.M. Nota, A. Jager, A.W.T van der Velden, M.M.E.M. Bos, S.C. Linn, J. van den Bosch, J.R. Kroep, J.J. Braun, R.R. de Haas, C.H. Smorenburg, H. de Graaf J.E.A. Portielje, M. Los, D.D. Gooyer, H. van Tinteren and E. Boven.
Abstract ASCO 2013

Combination of paclitaxel and bevacizumab without or with capecitabine as first-line treatment of HER2-negative locally recurrent or metastatic breast cancer (LR/MBC): first results from a randomized, multicenter, open-label, phase II study of the Dutch Breast Cancer Trialists' Group (BOOG) (abstract)
 S.W. Lam, S.M. de Groot, A.H. Honkoop, A. Jager, A.J. ten Tije, M.M.E.M. Bos, S.C. Linn, J. van den Bosch, J.W.R. Nortier, J.J. Braun, H. de Graaf, J.E.A. Portielje, M. Los, D.D. Gooyer, H. van Tinteren, E. Boven, *SABCS 2011*

BOOG onderzoekt combinatie bevacizumab met chemotherapie bij mammacarcinoom
 E. Boven, A.H. Honkoop, H. van Tinteren C.L. van der Wilt, A.E. van Leeuwen-Stok
NvMO tijdschrift, 2008

ATX-studie: een multicentrische gerandomiseerde fase II BOOG-studie naar de behandeling van HER2-negatief gemetastaseerd mammacarcinoom.
 E. Boven, A.H. Honkoop, C.L. van der Wilt, A.E. van Leeuwen-Stok
Ned. Tijdschrift voor Oncologie, 2007, Vol.4, nr. 8, p. 376-378.

BOOG 2006-07 / MIRROR

Regional recurrence in breast cancer patients with sentinel node micrometastases and isolated tumor cells.
 M.J. Pepels, M. de Boer, P. Bult, J.A.A.M. van Dijck, C.H.M. van Deurzen, M.B.E. Menke-Pluymers, P.J. van Diest, G.F. Borm, and V.C.G. Tjan-Heijnen
Ann Surg, in press

Prognostic impact of isolated tumor cells in breast cancer axillary nodes: single tumor cell(s) versus tumor cell cluster(s) and microanatomic location.
 J.H.M.J. Vestjens, M. de Boer, P.J. van Diest, C.H.M. van Deurzen, J.A.A.M. van Dijck, G.F. Borm, E.M.M. Adang, P. Bult, and V.C.G. Tjan-Heijnen.
Breast Cancer Res Treat, in press

Relevant impact of central pathology review on nodal classification, but not on the association of small nodal metastases with breast cancer outcome. Results from the Dutch MIRROR study.

J.H.M.J. Vestjens, M. de Boer, G.F. Borm, C.H.M. van Deurzen, P.J. van Diest, J.A.A.M. van Dijck, E.M.M. Adang, J.W.R. Nortier, E.J.T. Rutgers, C. Seynaeve, M.B.E. Menke-Pluymers, P. Bult, and V.C.G. Tjan-Heijnen

Abstract PD06-04, poster presentation. San Antonio Breast Cancer Conference 2010, San Antonio, Texas, USA.

Cancer Res; 70(24 Suppl) Dec 15, 2010; PD06-04.

Cost-effectiveness of adjuvant systemic therapy in early-stage breast cancer patients with isolated tumor cells or micrometastases in regional lymph nodes.

M. de Boer, E.M.M. Adang, K. C. Van Dycke, J.A.A.M. van Dijck, G.F. Borm, C.H.M. van Deurzen, P.J. van Diest, P. Bult, A.R.T. Donders, V.C.G. Tjan-Heijnen.

Abstract #614, poster presentation. ASCO Annual Meeting 2010, Chicago, Illinois, USA.

J Clin Oncol 28:15s, 2010.

Micrometastases and isolated tumor cells in breast cancer are indeed associated with poorer outcome.

P.J. van Diest, M. de Boer, C.H.M. van Deurzen, V.C.G. Tjan-Heijnen.

J Clin Oncol 2010; 28(9):e140; author reply e141-2.

Impact of omission of completion axillary lymph node dissection (cALND) or axillary radiotherapy (ax RT) in breast cancer patients with micrometastases (pN1mi) or isolated tumor cells (pN0[i+]) in the sentinel lymph node (SN): Results from the MIRROR study.

M. de Boer, C.H.M. van Deurzen, J.A.A.M. van Dijck, G.F. Borm, P.J. van Diest, E.M.M. Adang, J.W.R. Nortier, E.J.Th. Rutgers, C. Seynaeve, M.B.E. Menke-Pluymers, P. Bult, V.C.G. Tjan-Heijnen

Abstract #CRA506, oral presentation, ASCO Annual Meeting 2009, Orlando, Florida, USA.

J Clin Oncol 27:18s, 2009.

Isolated tumor cells in axillary lymph nodes of breast cancer patients: differential prognostic impact of single tumor cell(s) versus tumor cell clusters, and microanatomic location. New results from the Dutch MIRROR study.

P.J. van Diest, H. Schut, M. de Boer, C.H.M. van Deurzen, J.A.A.M. van Dijck, G.F. Borm, E.M.M. Adang, P. Bult, and V.C.G. Tjan-Heijnen.

Abstract #306, poster discussion session. San Antonio Breast Cancer Conference 2009, San Antonio, Texas, USA.

Isolated Tumor Cells in Breast Cancer

Correspondence to the editor, N Engl J Med 361:1994-1996, November 12, 2009

Minimal lymph node involvement and outcome of breast cancer. The results of the Dutch MIRROR study. Tjan-Heijnen VC, de Boer M.

Discov Med. 2009 Oct;8(42):137-9.

Micrometastases or Isolated Tumor Cells and the Outcome of Breast Cancer

M. de Boer, C.H.M. van Deurzen, J.A.A.M. van Dijck, G.F. Borm, P.J. van Diest, E.M.M. Adang, J.W.R. Nortier, E.J.Th. Rutgers, C. Seynaeve, M.B.E. Menke-Pluymers, P. Bult, V.C.G. Tjan-Heijnen.

N Engl J Med 361:653-63, August 13, 2009

Micrometastases and isolated tumor cells: relevant and robust or rubbish? (MIRROR): preliminary results of the MIRROR study from the Dutch breast cancer trialists' group (BOOG).

M. de Boer, C.H.M. van Deurzen, J.A.A.M. van Dijck, G.F. Borm, P.J. van Diest, E.M.M. Adang, J.W.R. Nortier, E.J.Th. Rutgers, C. Seynaeve, M.B.E. Menke-Pluymers, P. Bult, V.C.G. Tjan-Heijnen.

Abstract #23, oral presentation. San Antonio Breast Cancer Conference 2008, San Antonio, Texas, USA.

BOOG 2007-01 / ALLTO**The impact of erythropoiesis-stimulating agents administration concomitantly with adjuvant anti-HER2 treatments on the outcomes of patients with early breast cancer: a sub-analysis of the ALLTO study**

Diogo Martins-Branco et al.

Breast Cancer Res Treat. 2024. 203(3); 497-509**PREDICT underestimates survival of patients with HER2-positive early-stage breast cancer**Agostinetti E, Ameye L, Martel S, et al. PREDICT underestimates survival of patients with HER2-positive early-stage breast cancer. *ALTTO (BIG 2-06) Publication in npj Breast Cancer, 20 July 2022. npj Breast Cancer, 20 July 2022. PMID: 35859079 NPJ Breast – Matteo Lambertini – AD 0107 Abstract Title:***Prognostic and predictive implications of the intrinsic subtypes and gene expression signatures in early-stage HER2+ breast cancer: A pooled analysis of CALGB 40601, NeoALTTO, and NSABP B-41 trials. Session Type/Title: Poster Discussion Session/ Breast Cancer—Local/Regional/Adjuvant**

Aranzazu Fernandez-Martinez

*June 6, 2022, 1:15 PM-2:45 PM; 8:00 AM-11:00 AM CDT***Abstract 522: Effect of mevalonate pathway inhibitors on outcomes of patients (pts) with HER2-positive early breast cancer (BC) in the ALTTO trial**

Carmine De Angelis, Jamunarani Veeraraghavan, Vidyalakshmi Sethunath, Lieveke Ameye, Marianne Paesmans, Sarra El-Abed, Anup Choudhury, Sylvia Napoleone, Saranya Chumsri, Martine J. Piccart-Gebhart, Alvaro Moreno-Aspitia, Henry Leonidas Gomez, Giuseppe Viale, Susan G. Hilsenbeck, Mothaffar F. Rimawi, C. Kent Osborne, Evandro de Azambuja, Rachel Schiff

*June 6, 2022, 8:00 AM-11:00 AM CDT, Poster ASCO Am AD0005***Updated results from the international phase III ALTTO trial (BIG 2-06/Alliance N063D)**Florentine Hilbers, Sarra El-Abed, Vasiliki Balta, Celine Schurmans, Daniela D.Rosa, Kamal Saini, Otto Metzger Filho, Robin McConnell, Vicki Paterson, Christine Campbell, Eleanor McFadden, Emma Paterson, Garrick Kassab, *Presented at the 2017 annual meeting of the American Society of Clinical Oncology. European Journal of Cancer, Volume 148, May 2021, Pages 287-296***Prognostic role of distant disease-free interval from completion of adjuvant trastuzumab in HER2-positive early breast cancer: Analysis from the ALTTO (BIG 2-06) trial**Matteo Lambertini et al; *SABCS 2020 PD3-04***Long-term cardiac outcomes of patients with HER2-positive breast cancer treated in the adjuvant lapatinib and/or trastuzumab Treatment Optimization Trial.**Eiger D, Pondé NF, Agbor-Tarh D, Moreno-Aspitia A, Piccart M, Hilbers FS, Werner O, Chumsri S, Dueck A, Kroep JR, Gomez H, Láng I, Rodeheffer RJ, Ewer MS, Suter T, de Azambuja E
Br J Cancer. 2020 Mar 16. doi: 10.1038/s41416-020-0786-x. [Epub ahead of print]**Pregnancies during and after trastuzumab and/or lapatinib in patients with human epidermal growth factor receptor 2-positive early breast cancer: Analysis from the NeoALTTO (BIG 1-06) and ALTTO (BIG 2-06) trials**

Lambertini M, Martel S, Campbell C, Guillaume S, Hilbers FS, Schuehly U, Korde L, Azim HA Jr, Di Cosimo S, Tenglin RC, Huober J, Baselga J, Moreno-Aspitia A, Piccart-Gebhart M, Gelber RD, de Azambuja E, Ignatiadis M

Cancer. 2019 Jan 15 doi: 10.1002/cncr.31784.**Dissecting the effect of hormone receptor status in patients with HER2-positive early breast cancer: exploratory analysis from the ALTTO (BIG 2-06) randomized clinical trial**Lambertini M, Campbell C, Gelber RD, Viale G, McCullough A, Hilbers F, Korde LA, Werner O, Chumsri S, Jackisch C, Wolff AC, Vaz-Luis I, Ferreira AR, Prat A, Moreno-Aspitia A, Piccart M, Loi S, de Azambuja E
Breast Cancer Res Treat. 2019 May 27 doi: 10.1007/s10549-019-05284-y

Are we assuming too much with our statistical assumptions? Lessons learned from the ALTTO Trial

Holmes EM, Bradbury I, Williams LS, Korde L, de Azambuja E, Fumagalli D, Moreno-Aspitia A, Baselga J, Piccart-Gebhart M, Dueck AC, Gelber RD

Ann Oncol. 2019 Jun 26.; doi: 10.1093/annonc/mdz195.

Pregnancies during and following trastuzumab (T) and/or lapatinib (L) in patients (pts) with HER2-positive (HER2+) early breast cancer (EBC): Analysis from the NeoALTTO (BIG 1-06) and ALTTO (BIG 2-06) trials

Lambertini M, Martel S, Campbell C, Guillaume S, Hilbers F, Schuehly U, Korde L, Azim H. A., Di Cosimo S, Tenglin R. C., Bodo Huober J, Baselga J, Moreno-Aspitia A, Piccart-Gebhart M. J., Gelber R. D., De Azambuja E., Ignatiadis M

Journal of Clinical Oncology 36, no. 15_suppl (May 20 2018) 10065-10065

Adjuvant Anti-HER2 Therapy, Treatment-Related Amenorrhea, and Survival in Premenopausal HER2-Positive Early Breast Cancer Patients

Lambertini M, Campbell C, Bines J, Korde LA, Izquierdo M, Fumagalli D, Del Mastro L, Ignatiadis M, Pritchard K, Wolff AC, Jackisch C, Lang I, Untch M, Smith I, Boyle F, Xu B, Barrios CH, Baselga J, Moreno-Aspitia A, Piccart M, Gelber RD, de Azambuja E

J Natl Cancer Inst. 2018 Jun 5. doi: 10.1093/jnci/djy094

Characterisation of the HLA-DRB1*07:01 biomarker for lapatinib-induced liver toxicity during treatment of early-stage breast cancer patients with lapatinib in combination with trastuzumab and/or taxanes

C F. Spraggs, LR Parham, L P Briley, L Warren, L S Williams, D Fraser, Z Jiang, Z Aziz, S Ahmed, G Demetrious, Z Tong, A O. Mehta, N Jackson, J Byrne, M Andersson, M Toi, L Harris, J Gralow, JA Zujewski, R Crescenzo, A Armour, E Perez, M Piccart

Pharmacogenomics J. 2018 May 22;18(3):480-486

Impact of body mass index (BMI) and weight change after treatment in patients (pts) with HER2-positive (HER2+) early breast cancer (EBC): Secondary analysis of the ALTTO BIG 2-06 trial

Martel S, Lambertini M, Agbor-Tarh D, Ponde N, Gombos A, Paterson V, Hilbers F, Korde L, Manukyants A, Dueck A. C., Maurer C, Piccart-Gebhart M. J., Moreno-Aspitia A, Desmedt C, Di Cosimo S, De Azambuja E

Journal of Clinical Oncology 36, no. 15_suppl (May 20 2018) 10067-10067

Adjuvant anti-HER2 therapy, treatment-induced amenorrhea (TIA) and survival in premenopausal patients (pts) with HER2-positive (HER2+) early breast cancer (EBC): Analysis from the ALTTO trial (BIG 2-06)

M. Lambertini C. Campbell J. Bines L. Korde M.A. Izquierdo Delso D. Fumagalli K. Pritchard A. Wolff C. Jackisch I. Lang M. Untch I. Smith F.M. Boyle B. Xu C.H. Barrios J. Baselga A. Moreno-Aspitia M. Piccart R. Gelber E. De Azambuja

Ann Oncol. 2017 Sept 1 doi: 10.1093/annonc/mdx362.009

Impact of Diabetes, Insulin, and Metformin Use on the Outcome of Patients With Human Epidermal Growth Factor Receptor 2-Positive Primary Breast Cancer: Analysis From the ALTTO Phase III Randomized Trial

Sonnenblick A., Agbor-Tarh D., Bradbury I., Di Cosimo S., Azim H. A., Fumagalli D., Sarp S., Wolff A. C., Andersson M., Kroep J., Cufer T., Simon S. D., Salman P., Toi M., Harris L., Gralow J., Keane M., Moreno-Aspitia A., Piccart-Gebhart M., de Azambuja E.

J Clin Oncol. 2017 May 1;35(13):1421-1429

Updated results from the phase III ALTTO trial (BIG 2-06; NCCTG (Alliance) N063D) comparing one year of anti-HER2 therapy with lapatinib alone (L), trastuzumab alone (T), their sequence (T→L) or their combination (L+T) in the adjuvant treatment of HER2-positive early breast cancer.

A Moreno-Aspitia, E McCormick Holmes, C Jackisch, E De Azambuja, F. M. Boyle, D W. Hillman,

J. of Clinical Oncology 35, no. 15_suppl (May 2017) 502-502.

Circulating tumor cell (CTC) enumeration and HER2 assessment as predictors of breast cancer outcomes in the ALTTO (BIG 2-06, Alliance N063D) Trial

Minetta C Liu¹, Brigitte Rack², Amylou C Dueck⁴, David W Hillman¹, Michael B Campion¹, Monica M Reinholz³, Kevin C Halling¹, Christos Sotiriou⁵, Françoise Rothés⁵, Marion Maetens⁵, Ghizlane Rouas⁵, Wolfgang Janni⁶, Antonio C Wolff⁷, Lyndsay N Harris⁸, Julie R Gralow⁹, Kathleen I Pritchard¹⁰, Susan Ellard¹², Nguyet A Le-Lindqwister¹³, Frances Boyle¹⁴, Evandro De Azambujas⁵, Martine J Piccart-Gebhart⁵, Michail Ignatiadis⁵ and Edith A Perez¹¹.
SABCS 2014, publication number: P4-01-01

Concordance of HER2 Central Assessment by Two International Central Laboratories: A Ring Study within the Framework of the Adjuvant HER2-Positive ALTTO Trial

McCullough AE, Dell'Orto P, Reinholz MM, Gelber RD, Dueck AC, Russo L, Jenkins RB, Andrighetto S, Chen B, Lingle WL, Jackisch C, Perez EA, Piccart-Gebhart MJ, Viale G.
Cancer Res; 70(24 Suppl) Dec 15, 2010; P3-10-06

Adjuvant Lapatinib en/of Trastuzumab Treatment Optimalization studie (ALTTO, BOOG 2007-01)

J.W.R.Nortier, *NTvO juni 2009*

The new generation of breast cancer clinical trials: the right drug for the right target].

De Azambuja E, Cardoso F, Meirsmann L, Straehle C, Dolci S, Vantongelen K, Piccart-Gebhart M.
Bull Cancer. 2008 Mar;95(3):352-7. Review. French.

Jumping higher: is it still possible? The ALTTO trial challenge

G. Tomassello, E. de Azambuja, P. Dinh, N. Snoj and M. Piccart-Gebhart; *Expert Rev. Anticancer Ther. 8(12), 1883-1890 (2008)*

BOOG 2007-02 / INTENS

Doxorubicin/cyclophosphamide with concurrent versus sequential docetaxel as neoadjuvant treatment in patients with breast cancer

Vriens BE, Aarts MJ, de Vries B, van Gastel SM, Wals J, Smilde TJ, van Warmerdam LJ, de Boer M, van Spronsen DJ, Borm GF, Tjan-Heijnen VC; Breast Cancer Trialists'.
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VCG Tjan-HeijnenA, BEPJ VriensA, B de VriesA, SM van GastelB, J WalsC, TJ SmildeD, LJC van WarmerdamE, HWM van LaarhovenF, DJ van SpronsenG, GF BormF
SABCS 2012

Sequential versus upfront intensified neoadjuvant chemotherapy in patients with large resectable or locally advanced breast cancer (INTENS), toxicity results from a phase III study of the Dutch breast cancer trialists' group (BOOG).

Vriens BEPJ, Van de Vijver KKBT, Boetes C, van Gastel SM, Wals J, Smilde TJ, van Warmerdam LJC, van Laarhoven HWM, van Spronsen DJ, Borm GF, Tjan-Heijnen VCG.
Cancer Res; 71 (24 Suppl) Dec 15, 2011

Sequential versus upfront intensified neoadjuvant chemotherapy in patients with large resectable or locally advanced breast cancer (INTENS), first results from a phase III study of the Dutch breast cancer trialists' group (BOOG).

Vriens BE, Van de Vijver KK, Boetes C, van Gastel SM, Wals J, Smilde TJ, van Warmerdam LJ, van Laarhoven HW, van Spronsen DJ, Borm GF, Tjan-Heijnen VCG.
Cancer Res; 70(24 Suppl) Dec 15, 2010;

BOOG 2008-01 / 2-2-6 G-CSF**Primary Granulocyte Colony-Stimulating Factor for Prophylaxis During the First Two Cycles Only or Throughout All Chemotherapy Cycles in patients with breast cancer at risk for febrile neutropenia**

M.J. Aarts, F.P. Peters, C.M. Mandigers, M.W. Dercksen, J.M. Stouthard, J.W.R. Nortier, H.W. van Laarhoven, L.J. van Warmerdam, A.J. van de Wouw, E.M. Jacobs, V. Mattijssen, C.C. van der Rijt, T.J. Smilde, A.W. van der Velden, M. Temizkan, E. Batman, E.W. Muller, S.M. van Gastel, G.F. Borm, V.C. Tjan-Heijnen,.

J Clin Oncol 2013; April 29, [Epub ahead of print]

Cost effectiveness of primary pegfilgrastim prophylaxis in patients with breast cancer at risk of febrile neutropenia.

Aarts MJ, Grutters JP, Peters FP, Mandigers CM, Dercksen MW, Stouthard JM, Nortier HJ, van Laarhoven HW, van Warmerdam LJ, van de Wouw AJ, Jacobs EM, Mattijssen V, van der Rijt CC, Smilde TJ, van der Velden AW, Temizkan M, Batman E, Muller EW, van Gastel SM, Joore MA, Borm GF, Tjan-Heijnen VC.

J Clin Oncol. 2013 Dec 1;31(34):4283-9. doi: 10.1200/JCO.2012.48.3644. Epub 2013 Oct 28.

Primary granulocyte colony-stimulating factor prophylaxis during the first two cycles only or throughout all chemotherapy cycles in patients with breast cancer at risk for febrile neutropenia.

Aarts MJ, Peters FP, Mandigers CM, Dercksen MW, Stouthard JM, Nortier HJ, van Laarhoven HW, van Warmerdam LJ, van de Wouw AJ, Jacobs EM, Mattijssen V, van der Rijt CC, Smilde TJ, van der Velden AW, Temizkan M, Batman E, Muller EW, van Gastel SM, Borm GF, Tjan-Heijnen VC.

J Clin Oncol. 2013 Dec 1;31(34):4290-6. doi: 10.1200/JCO.2012.44.6229. Epub 2013 Apr 29

Primary G-CSF prophylaxis during the first two cycles only or throughout all chemotherapy cycles in breast cancer patients at risk of febrile neutropenia.

Aarts MJ, Peters FP, Mandigers CM, Dercksen WM, Stouthard JM, Nortier JWR, van Laarhoven HWM, van Warmerdam LJ, van de Wouw YA, Jacobs EM, Mattijssen VE, van der Rijt CCD, Smilde TJ, van der Velden AW, Temizkan M, Batman E, Muller EW, van der Vegt SG, van Gastel SM, Borm GF, Tjan-Heijnen VCG, (2012) (submitted)

Primary G-CSF prophylaxis during the First Two cycles only or Throughout All chemotherapy cycles in breast cancer patients at risk of Febrile Neutropenia: First results from a phase III trial of the Dutch Breast Cancer Trialists Group (BOOG)

M.J.B. Aarts, F.P.J. Peters, M.W. Dercksen, C. Mandigers, S. van Gastel, V.C.G. Tjan-Heijnen

Support Care Cancer 2010;18 (Suppl 3):S 09-078

Primary G-CSF prophylaxis during the First Two cycles only or Throughout All chemotherapy cycles in breast cancer patients at risk of Febrile Neutropenia: Final results from a phase III trial of the Dutch Breast Cancer Trialists Group (BOOG)

M.J.B. Aarts, F.P.J. Peters, M.W. Dercksen, C.Mandigers, J.Stouthard, J.W.R. Nortier, Y.J.L. Kamm, L.J.C. van Warmerdam, C.D. van der Rijt, S. van Gastel, M. Joore, A. Kessels, V.C.G. Tjan-Heijnen

Cancer Res; 2010;70(24) Suppl2; P3-15-01

BOOG 2008-02 / A6181099 (SUTENT)**Phase III randomized trial of sunitinib versus capecitabine in patients with previously treated HER2-negative advanced breast cancer.**

Barrios CH, Liu MC, Lee SC, Vanlemmens L, Ferrero JM, Tabei T, Pivot X, Iwata H, Aogi K, Lugo-Quintana R, Harbeck N, Brickman MJ, Zhang K, Kern KA, Martin M.

Breast Cancer Res Treat. 2010 May;121(1):121-31. Epub 2010 Mar 26.

Phase III trial of sunitinib (SU) in combination with capecitabine (C) versus C in previously treated advanced breast cancer (ABC).

J. Crown, V. Dieras, E. Staroslawska, D. A. Yardley, N. Davidson, T. D. Bachelot, V. R. Tassell, X. Huang, K. A.Kern, G. Romieu;

J Clin Oncol 28:18s, 2010 (suppl; abstr LBA1011)

BOOG 2008-03 / HAT

A randomized phase 2 study exploring the role of bevacizumab and a chemotherapy-free approach in HER2-positive metastatic breast cancer: The HAT study (BOOG 2008-2003), a Dutch Breast Cancer Research Group trial.

Drooger JC, van Tinteren H, de Groot SM, Ten Tije AJ, de Graaf H, Portielje JE, Jager A, Honkoop A, Linn SC, Kroep JR, Erdkamp FL, Hamberg P, Imholz AL, van Rossum-Schornagel QC, Heijns JB, van Leeuwen-Stok AE, Sleijfer S.

Cancer. 2016 Oct;122(19):2961-70. doi: 10.1002/cncr.30141. Epub 2016 Jun 17.

Results from a randomized phase II study of the Dutch Breast Cancer Research Group (BOOG 2008-03): Concomitant trastuzumab, bevacizumab and paclitaxel (HAT) versus trastuzumab and bevacizumab, followed by trastuzumab, bevacizumab and paclitaxel (HA-HAT) at progression as first-line treatment for patients with Her2 positive metastatic breast cancer: The HAT-Study

Jan C Drooger¹, Harm van Tinteren², Steffen M de Groot³, Albert J ten Tije⁴, Hiltje de Graaf⁵, Johanneke EA Portielje⁶, Agnes Jager¹, Aafke H Honkoop⁷, Sabine C Linn², Judith R Kroep⁸, Frans LG Erdkamp⁹, Paul Hamberg¹⁰, Joan B Heijns⁴, A Elise van Leeuwen-Stok¹¹ and Stefan Sleijfer¹.

SABCS 2014, publication number: P4-15-12

BOOG 2008-03/HAT-studie: Een gerandomiseerde fase II-studie bij patiënten met gemetastaseerde borstkanker met Her2/neu-overexpressie

J.Ph. van den Tol en S. Sleijfer;

NTvO, 2009, Vol.6 nr 8:365-66

BOOG 2009-01 / IRMA

APBI with 3D-CRT vs. WBI: cosmetic and toxicity results of the prospective randomised IRMA trial

Antonella Baldissera., Filippo Bertoni., Gladys Blandino., Liesbeth Boersma., Selena Ciabatti., Roberto D'amico., Luca Frassinelli., Giovanni P. Frezza., Patrizia Giacobazzi., Cinzia Iotti., Eveline Koiter., Bruno Meduri., Alessio G. Morganti., Salvatore Parisi., Philip M.P. Poortmans., Marcel Stam., Mariacarla Valli.

ESTRO 2020 abstract

Cosmetic Results and Side Effects of Accelerated Partial-Breast Irradiation Versus Whole-Breast Irradiation for Low-Risk Invasive Carcinoma of the Breast: The Randomized Phase III IRMA Trial

runo Meduri, MD1; Antonella Baldissera, MD2; Cinzia Iotti, MD3; Luc J.E.E. Scheijmans, MD4; Marcel R. Stam, MD5; Salvatore Parisi, MD6; Liesbeth J. Boersma, MD7; Ilario Ammendolia, MD8; Eveline Koiter, MD9; Mariacarla Valli, MD10; Luciano Scandolaro, MD11; Dianne Busz, MD12; Marika C. Stenfert Kroese, MD13; Selena Ciabatti, MD2; Patrizia Giacobazzi, MD1; Maria P. Ruggieri, PhD3; Antoine Engelen, MD4; Tindara Munaf' o, MD6; A. Helen Westenberg, MD5; Karolien Verhoeven, MD7; Roberto Vicini, PhD14; Roberto D'Amico, PhD14,15; Frank Lohr, MD1; Filippo Bertoni, MD1; Philip Poortmans, MD16,17; and Giovanni P. Frezza, MD2

Journal of Clinical Oncology 2023

BOOG 2009-02 / SNARB

Sentinel Node and Recurrent Breast Cancer (SNARB): Results of a Nationwide Registration Study

Maaskant AJG, Roumen RMH, Voogd AC, Pijpers R, Luiten EJT, Rutgers EJT, Nieuwenhuijzen GAP

Annals of Surgical Oncology (2012), DOI 10.1245/s10434-012-2625-7

Staging and management of axillary lymph nodes in patients with local recurrence in the breast or chest wall after a previous negative sentinel node procedure

F.Derkx, A.J.G. Maaskant-Braat, M.J.C. van der Sangen, G.A.P. Nieuwenhuijzen, L.V. van de Poll-Franse, R.M.H. Roumen, A.C. Voogd

Eur J Surg Oncol (2010), doi:10.1016/j.ejso.2010.05.009

Schildwachtklierprocedure bij recidief mammacarcinoom (SNARB); resultaten van een interim-analyse

Maaskant AJG, Bruijn de S, Roumen RMH, Nieuwenhuijzen GAP

Catharina-ziekenhuis, Eindhoven, afdeling Heelkunde

Abstract Chirurgedagen NVH 21-05-2010

Schildwachtklierprocedure: ook een mogelijkheid bij patiënten met een recidief van een mammacarcinoom

R.M.H. Roumen, G.P. Kuijt en I.H. Liem
Ned Tijdschr Geneesk. 2008;152:13-9

BOOG 2009-03 / DCIS

Radiation doses and fractionation schedules in non-low-risk ductal carcinoma in situ in the breast (BIG 3-07/TROG 07.01): a randomised, factorial, multicentre, open-label, phase 3 study

Boon H Chua, Emma K Link, Ian H Kunkler, Timothy J Whelan, A Helen Westenberg, Guenther Gruber, Guy Bryant, Verity Ahern, Kash Purohit, Peter H Graham, Mohamed Akra, Orla McArdle, Peter O'Brien, Jennifer A Harvey, Carine Kirkove, John H Maduro, Ian D Campbell, Geoff P Delaney, Joseph D Martin, T Trinh T Vu, Thierry M Muanza, Anthony Neal, Ivo A Olivotto, on behalf of the BIG 3-07/TROG 07.01 trial investigators **Lancet 2022; 400: 431-40*

A randomized phase III study of radiation doses and fractionation schedules in non-low risk ductal carcinoma in situ (DCIS) of the breast (BIG 3-07/TROG 07.01)

Boon Hui Chua, Emma Link, Ian Kunkler, Ivo Olivotto, Antonia Helen Westenberg, Timothy Whelan, Guenther Gruber
Cancer Res 2021 Feb;81(4_Suppl)
Abstract SABCS 2020

Quality of life after breast-conserving therapy and adjuvant radiotherapy for non-low-risk ductal carcinoma in situ (BIG 3-07/TROG 07.01): 2-year results of a randomised, controlled, phase 3 trial

King MT, Link EK, Whelan TJ, Olivotto IA, Kunkler I, Westenberg AH, Gruber G, Schofield P, Chua BH, BIG 3-07/TROG 07.01 trial investigators
Lancet Oncol. 2020, Volume May 2020 Mar 20. doi: 10.1016/S1470-2045(20)30085-1.

International comparison of cosmetic outcomes of breast conserving surgery and radiation therapy for women with ductal carcinoma in situ of the breast

Ivo A Olivotto, Emma Link, Claire Phillips, Timothy J Whelan, Guy Bryant, Ian H Kunkler, A Helen Westenberg, Kash Purohit, Verity Ahern, Peter H Graham, Mohammed Akra, Orla McArdle, Joanna J Ludbrook, Jennifer A Harvey, John H Maduro, Carine Kirkove, Guenther Gruber, Joseph D Martin, Ian D Campbell, Geoff P Delaney, Boon H Chua, on behalf of the BIG 3-07/TROG 07.01 trial investigators
Radiotherapy and Oncology 2020;142:180-85

Patient-reported outcomes in ductal carcinoma in situ (DCIS): A systematic review. King MT, Winters Z, Butow P, Chua B, Saunders C, Spillane A, Mann GB, Olivotto I, Westenberg AH, Burnett P, Rutherford C.

European Journal of Cancer 2016;71:95-108

DCIS:kunnen extra bestralingen borstkanker voorkomen?

Paul Peijnenbur, H. Westenberg
Bproefd BVN 6 midwinter 2012

BOOG 2009-04 / Male Breast cancer

NANOSTRING: Evaluation of multiple transcriptomic gene risk signatures in male breast cancer.

Bayani J, Poncet C, Crozier C, Neven A, Piper T, Cunningham C, Sobol M, Aebi S, Benstead K, Bogler O, Dal Lago L, Fraser J, Hilbers F, Hedenfalk I, Korde L, Linderholm B, Martens J, Middleton L, Murray M, Kelly C, Nilsson C, Nowaczyk M, Peeters S, Peric A, Porter P, Schröder C, Rubio IT, Ruddy KJ, van Asperen C, Van Den Weyngaert D, van Deurzen C, van Leeuwen-Stok E, Vermeij J, Winer E, Giordano SH, Cardoso F, Bartlett JMS.NPJ
Breast Cancer. 2021 Jul 26;7(1):98.

Elastosis in ER α -positive male breast cancer

Marijn A. Vermeulen, & Carolien H. M. van Deurzen, A. Elise van Leeuwen-Stok, Paul J. van Diest;
Virchows Archiv <https://doi.org/10.1007/s00428-020-02920-7>, published online 15 September 2020

High hepatocyte growth factor expression in primary tumor predicts better overall survival in male breast cancer

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Addition of zoledronic acid to neoadjuvant chemotherapy is not beneficial in patients with HER2-negative stage II/III breast cancer: 5-year survival analysis of the NEOZOTAC trial (BOOG 2010-01)

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Sentinel node procedure before or after neoadjuvant chemotherapy in clinically node negative or positive patients; results from 3 phase III studies of the Dutch breast cancer trialists' group (BOOG)

Vivianne C Tjan-Heijnen¹, Birgitte E Vriens¹, Maureen J Aarts¹, Judith R Kroep², Cock J van de Velde², Gerrit-Jan Liefers², Ayoub Charehbil², Petronella G Peer³ and Maaïke de Boer¹.
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Beter doorbehandelen dan Stop & Go. Onderbreken van de behandeling geen zinvolle zaak
Jac Jansen, M. Bos
Bproefd BVN voorjaar 2013

BOOG 2010-03 / RAPCHEM

De-escalation of radiotherapy after primary chemotherapy in cT1-2N1 breast cancer (RAPCHEM; BOOG 2010-03): 5-year follow-up results of a Dutch, prospective, registry study.

Sabine R de Wild, Linda de Munck, Janine M Simons, Janneke Verloop, Thijs van Dalen, Paula H M Elkhuzen, Ruud M A Houben, A Elise van Leeuwen, Sabine C Linn, Ruud M Pijnappel, Philip M P Poortmans, Luc J A Strobbe, Jelle Wesseling, Adri C Voogd, Liesbeth J Boersma.
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Radiotherapy after primary CHEMotherapy (RAPCHEM): Practice variation in a Dutch registration study (BOOG 2010-03)

Liesbeth J Boersma, Janneke Verloop, Adri C Voogd, Paula H M Elkhuzen, Ruud Houben, A Elise van Leeuwen, Sabine Linn, Linda de Munck, Ruud Pijnappel, Luc Strobbe, Thijs van Dalen, Jelle Wesseling, Philip Poortmans
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Radiotherapy After Primary CHEMotherapy (RAPCHEM): a prospective registration study

L. Boersma, P. Elkhuisen, R. Houben, E. van Leeuwen, S. Linn, L. de Munck, R. Pijnappel, L. Strobbe, T. van Dalen, J. Verloop, A. Voogd, J. Wesseling, P. Poortmans.
Abstract EBCC 2016

BOOG 2010-04 / D-care

De primaire analyse is op ASCO 2018 gepresenteerd
 Coleman R, et al. Presented at: American Society of Clinical Oncology; June 1-5, 2018; Chicago, IL. USA.

BOOG 2010-05 / SUBMIT**SUBMIT: Systemic therapy with or without up front surgery of the primary tumor in breast cancer patients with distant metastases at initial presentation**

Jetske Ruitenkamp¹, Adri C Voogd², Vivianne CG Tjan-Heijnen³, Koop Bosscha⁴, Yvette M van der Linden⁵, Emiel JTh Rutgers⁶, Epie Boven⁷, Maurice JC van der Sangen⁸, Miranda F Ernst^{39*} and In collaboration with Dutch Breast Cancer Trialists' Group (BOOG)
BMC Surgery 2012, 12:5 doi:10.1186/1471-2482-12-5

The role of surgery in metastatic breast cancer

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Impact of breast surgery on survival in patients with distant metastases at initial presentation: a systematic review of the literature.

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Jetske Ruitenkamp Thesis 'Surgery in metastatic breast cancer'**BOOG 2011-02 / APHINITY****Cardiac safety of dual anti-HER2 blockade with pertuzumab plus trastuzumab in early HER2-positive breast cancer in the APHINITY trial**

E. de Azambuja, E. Agostinetti, M. Procter, D. Eiger, N. Pondé, S. Guillaume, D. Parlier, M. Lambertini, A. Desmet, C. Caballero, C. Aguila, G. Jerusalem, J. M. Walshe, E. Frank, J. Bines, S. Loibl, M. Piccart-Gebhart, M. S. Ewer, S. Dent, C. Plummer & T. Suter, on behalf of the APHINITY Steering Committee and Investigators
ESMO Open, 8(1), January 19, 2023. DOI: <https://doi.org/10.1016/j.esmoop.2022.100772>

Effect of young age at diagnosis on the clinical outcomes of women with HER2-positive early-stage breast cancer receiving adjuvant trastuzumab with or without pertuzumab in the APHINITY trial

Lambertini M, Fielding S, Loibl S, et al.
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Impact of age on clinical outcomes and efficacy of adjuvant dual anti-HER2 targeted therapy
[published online ahead of print, 2022 May 5]. *J Natl Cancer Inst.* 2022;djac096.
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manuscript accepted at ecancermedicalsecience.

Cardiotoxicity related to dual anti-HER2 blockade in the APHINITY Trial, manuscript under peer-review. *ASCO abstract 2023*

Cardiotoxicity related to dual anti-HER2 blockade in the APHINITY Trial
abstract presented at ASCO 2021, manuscript under peer-review.

Six-year absolute invasive disease-free survival benefit of adding adjuvant pertuzumab to trastuzumab and chemotherapy for patients with early HER2-positive breast cancer: A Subpopulation Treatment Effect Pattern Plot (STEPP) analysis of the APHINITY (BIG 4-11) trial
Richard D. Gelber, Xin V. Wang, Bernard F. Cole, Sibylle Loibl, Martine Piccart-Gebhart, on behalf of the APHINITY Steering Committee and Investigators
Eur Journal of Cancer | VOLUME 166, P219-228, MAY 01, 2022

Adjuvant Pertuzumab and Trastuzumab in Early HER2-Positive Breast Cancer in the APHINITY Trial: 6 Years' Follow-Up
Martine Piccart et al for the APHINITY Steering Committee and Investigators
J Clin Oncol, 4 Feb 2021 ; <https://doi.org/10.1200/JCO.20.01204>

BluePrint performance in predicting pertuzumab benefit in genomically HER2-positive patients: A biomarker analysis of the APHINITY trial
Ian Krop et al, *SABCS 2020 PD3-01*

6-year absolute invasive disease-free survival (IDFS) benefit of adding adjuvant pertuzumab to trastuzumab and chemotherapy for patients with early HER2-positive breast cancer: A STEPP analysis of the APHINITY (BIG 4-11) trial
Richard D. Gelber et al, *SABCS 2020 PS10-01*

Timelines to initiate an adjuvant phase III trial across the globe: A sub-analysis of the APHINITY trial
Maria Alice Franzoi et al, *SABCS 2020 PS7-21*

Adding pertuzumab to adjuvant therapy for high-risk HER2-positive early breast cancer in APHINITY: a GRADE analysis
Zambelli A, Pappagallo G, Marchetti P.
J Comp Eff Res. 2020 Feb 14. doi: 10.2217/cer-2019-0168.

Pharmacokinetic and exploratory exposure-response analysis of pertuzumab in patients with operable HER2-positive early breast cancer in the APHINITY study
Kirschbrown WP, Kågedal M1, Wang B1, Lindbom L2, Knott A3, Mack R3, Monemi S1, Nijem I1, Girish S1, Freeman C4, Fumagalli D5, McConnell R6, Jerusalem G7, Twelves C8, Baselga J9, von Minckwitz G10, Bines J11, Garg A12.
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Pharmacokinetics of pertuzumab administered concurrently with trastuzumab in Chinese patients with HER2-positive early breast cancer
Luo Y, Li W, Jiang Z, Zhang Q, Wang L, Mao Y, Tjan-Heijnen VCG, Im SA, McConnell R, Bejarano S, Fumagalli D, Bines J, Wang B, Garg A, Kirschbrown WP, Xu B
Anticancer Drugs. 2019 Sep;30(8):866-872. doi: 10.1097/CAD.0000000000000808

Incidence and Management of Diarrhea With Adjuvant Pertuzumab and Trastuzumab in Patients With Human Epidermal Growth Factor Receptor 2-Positive Breast Cancer

Bines J, Procter M, Restuccia E, Viale G, Zardavas D, Suter T, Arahmani A, Van Dooren V, Baselga J, Clark E, Eng-Wong J, Gelber R, Piccart M, Mobus V, de Azambuja E, on behalf of the APHINITY Steering Committee and Investigators

Clin Breast Cancer. 2019 Sep 5 doi: 10.1016/j.clbc.2019.06.016.

Adjuvant, Pertuzumab and Trastuzumab in Early HER2-Positive Breast Cancer.

von Minckwitz G, Procter M, de Azambuja E, Zardavas D, Benyunes M, Viale G, Suter T, Arahmani A, Rouchet N, Clark E, Knott A, Lang I, Levy C, Yardley DA, Bines J, Gelber RD, Piccart M, Baselga J; *N Engl J Med. 2017 Jul 13;377(2):122-131*

Presentatie van de eerste analyse van de APHINITY studie heeft op de ASCO 2017 plaatsgevonden *J Clin Oncol 35, 2017 (suppl; abstr LBA500)*

Helpt extra middel bij HER2-positieve borstkanker?

Jac Jansen, Maaïke de Boer

B-proefd BVN 2014 nr 10

BOOG 2012-01 / BALLET

Safety of everolimus plus exemestane in patients with hormone-receptor-positive, HER2-negative locally advanced or metastatic breast cancer progressing on prior non-steroidal aromatase inhibitors: primary results of a phase IIIb, open-label, single-arm, expanded-access multicenter trial (BALLET).

Jerusalem G, Mariani G, Ciruelos EM, Martin M, Tjan-Heijnen VC, Neven P, Gavila JG, Michelotti A, Montemurro F, Generali D, Simoncini E, Lang I, Mardiak J, Naume B, Camozzi M, Lorizzo K, Bianchetti S, Conte P.

Ann Oncol. 2016 Sep;27(9):1719-25. doi: 10.1093/annonc/mdw249. Epub 2016 Jun 29

Everolimus in combination with exemestane in hormone receptor-positive locally advanced or metastatic breast cancer (BC) patients progressing on prior non-steroidal AI (NSAIs): Ballet study (CRAD001YIC04)

Guy Jerusalem¹, Gabriella Mariani², Eva M Ciruelos³, Miguel Martin⁴, Vivianne CG Tjan-Heijnen⁵, Patrick Neven⁶, Joaquin Gavila Gregori⁷, Andrea Michelotti⁸, Filippo Montemurro⁹, Istvan Lang¹⁰, Josef Mardiak¹¹, Bjoem Naume¹², Maura Camozzi¹³, Katia Lorizzo¹³, Dariusz Brenski¹³ and Pierfranco Conte¹⁴. ¹CHU Sart Tilman Liege and Liege University, Liege, Belgium; ²Fondazione IRCCS Istituto Nazionale dei Tumori, Milan, Italy; ³University Hospital 12 de Octubre, Madrid, Spain; ⁴Hospital General Universitario Gregorio Marañón, Madrid, Spain; ⁵Maastricht University Medical Centre, Maastricht, Netherlands; ⁶KU Leuven and University Hospital Leuven, Leuven, Belgium; ⁷Fundacion Instituto Valenciano de Oncologia, Valencia, Spain; ⁸Azienda Ospedaliera Universitaria Pisana, Santa Chiara Hospital, Pisa, Pisa, Italy; ⁹Fondazione del Piemonte per l'Oncologia, Institute of Candiolo Cancer Center (IRCCs), Candiolo (Torino), Italy; ¹⁰National Institute of Oncology, Budapest, Hungary; ¹¹National Cancer Institute, Bratislava, Slovakia (Slovak Republic); ¹²Oslo University Hospital and Norwa and K.G. Jebsen Center for Breast Cancer Research, Institute for Clinical Medicine, University of Oslo, Oslo, Norway; ¹³Novartis Farma S.p.A., Origgio/VA, Italy and ¹⁴Istituto Oncologico Veneto IRCCS and Università di Padova, Padova, Italy.

SABCS 2014, publication number: P5-19-02

BOOG 2012-02 / SafeHer

Safety and tolerability of subcutaneous trastuzumab for the adjuvant treatment of human epidermal growth factor receptor 2-positive early breast cancer: SafeHer phase III study's primary analysis of 2573 patients

J. Gligorov , B. Ataseven , M. Verrill , M. De Laurentiis , K.H. Jung e, H.A. Azim , N. Al-Sakaff , S. Lauer , M. Shing i , X. Pivot on behalf of the SafeHer Study Group.

EJC 82(2017)237-246

SafeHer Phase III study primary analysis: Safety of subcutaneous trastuzumab plus chemotherapy for early breast cancer

EBCC 2016 abstract number: 326

SafeHer Phase III study primary analysis: Safety of subcutaneous trastuzumab plus chemotherapy for early breast cancer

J. Gligorov(1), B. Ataseven(2), M. Verrill(3), M. De Laurentiis(4), K.H. Jung(5), H.A. Azim(6), N. Al-Sakaff(7), S. Lauer(8), M. Shing(9), X. Pivot(10)

EBCC 2016 poster presentation 343

Safety and tolerability of subcutaneous trastuzumab for HER2-positive early breast cancer in patients with lower body weight and in Asian patients: SafeHer Phase III study subgroup analyses

Poster presented at the European Cancer Congress 2015, September 25–29 2015, Vienna, Austria

BOOG 2012-03 / TRAIN-2

Prognostic value of tumor-infiltrating lymphocytes in HER2-positive breast cancer treated with neoadjuvant chemotherapy and dual HER2-blockade: a TRAIN-2 sub study

M.C. Liefwaard, A. van der Voort, M. van Seijen, J. Sanders, S. Vonk, L. de Munck, A.E. van Leeuwen-Stok, H.M. Horlings, R. Salgado, E.H. Lips, G.S. Sonke

Annals of Oncology, 2022; 33(S7); S606. DOI: <https://doi.org/10.1016/j.annonc.2022.07.180>

Three-year follow-up of neoadjuvant chemotherapy with or without anthracyclines in the presence of dual HER2-blockade for HER2-positive breast cancer (TRAIN-2): A randomized phase III trial.

Anna van der Voort, Mette S. van Ramshorst, Erik D. van Werkhoven, Ingrid A. Mandjes, Inge Kemper, Annelie J. Vulink, Irma M. Oving, Aafke H. Honkoop, Lidwine W. Tick, Agnes J. van de Wouw, Caroline M. Mandigers, Laurence J. C. van Warmerdam, Jelle Wesseling, Marie-Jeanne T.F.D Vrancken Peeters, Sabine C. Linn, Gabe S. Sonke, and on behalf of the Dutch Breast Cancer Research Group (BOOG)
JAMA Oncol. 2021;7(7):978-984. doi:10.1001/jamaoncol.2021.1371

Effect of pertuzumab plus neoadjuvant trastuzumab-based chemotherapy in early-stage HER2-positive breast cancer according to Blueprint molecularly defined breast cancer subtypes

SABCS 2021 abstract PD15-07 Liefwaard MC

Three-year follow-up of neoadjuvant chemotherapy with or without anthracyclines in the presence of dual HER2-blockade for HER2-positive breast cancer (TRAIN-2): A randomized phase III trial.

Anna van der Voort, Mette S. van Ramshorst, Erik D. van Werkhoven, Ingrid A. Mandjes, Inge Kemper, Annelie J. Vulink, Irma M. Oving, Aafke H. Honkoop, Lidwine W. Tick, Agnes J. van de Wouw, Caroline M. Mandigers, Laurence J. C. van Warmerdam, Jelle Wesseling, Marie-Jeanne T.F.D Vrancken Peeters, Sabine C. Linn, Gabe S. Sonke, and on behalf of the Dutch Breast Cancer Group (BOOG);

ASCO 2020 abstract number 501

Neoadjuvant chemotherapy with or without anthracyclines in the presence of dual HER2 blockade for HER2-positive breast cancer (TRAIN-2): a multicenter, open-label, randomized, phase 3 trial.

Van Ramshorst MS, van der Voort A, van Werkhoven ED, Manjes IA, Kemper I, Dezentjé VO, Oving IM, Honkoop AH, Tick LW, van de Wouw AJ, Mandigers CM, van Warmerdam LJ, Wesseling J, Vrancken Peeters MJTFD, Linn SC, Sonke GS; Dutch Breast Cancer Research Group (BOOG).

Lancet Oncol 2018; 19: 1543-1698

Fine-tuning chemotherapy in the era of dual HER2 targeting

Editorial *Lancet Oncol* 2018

A phase III trial of neoadjuvant chemotherapy with or without anthracyclines in the presence of dual HER2-blockade for HER2-positive breast cancer: the TRAIN-2 study (BOOG 2012-03)

Van Ramshorst MS, van Werkhoven ED, Manjes IA, Kemper I, Dezentjé VO, Oving IM, Honkoop AH, Tick LW, van de Wouw AJ, Mandigers CM, Wesseling J, Vrancken Peeters MJTFD, Linn SC, Sonke GS;

ASCO 2017 abstract number 507

Toxicity of dual HER2-blockade with pertuzumab added to anthracycline versus non-anthracycline containing chemotherapy as neoadjuvant treatment in HER2-positive breast cancer: The TRAIN-2 study.

Van Ramshorst MS, van Werkhoven E, Honkoop AH, Dezentjé VO, Oving IM, Mandjes IA, Kemper I, Smorenburg CH, Stouthard JM, Linn SC, Sonke GS; Dutch Breast Cancer Research Group (BOOG). *Breast.* 2016;29:153-9.

Safety analyses of the first 110 patients treated with dual HER2-blockade in the TRAIN-2 study

Mette S van Ramshorst^{1*}, Erik van Werkhoven², Aafke H Honkoop³, Vincent O Dezentjé⁴, Irma M Oving⁵, Ingrid AM Mandjes², Inge Kemper¹, Jacqueline M Stouthard¹, Sjoerd Rodenhuis¹, Sabine C Linn¹, Gabe S Sonke^{1*}

EBCC 2016 abstract number 343

BOOG 2013-01 / TRIPLE-B.

Carboplatin-Cyclophosphamide or Paclitaxel without or with Bevacizumab as First-Line Treatment for **Metastatic Triple-Negative Breast Cancer (BOOG 2013-01)**

Annelot G.J. van Rossum, Ingrid A.M. Mandjes, Erik van Werkhoven, Harm van Tinterenc A. Elise van Leeuwen-Stok, Petra Nederlofe, Johanna E.A. Portieljef, g Robbert J. van Alphen, Els Plattei Daan van den Broeki, Alwin Huitemaj, Marleen Kokk, I Sabine C. Linna, I, m Hendrika M. Oosterkamp on behalf of the Triple-B trialists' group

Breast Care 9 DOI: 10.1159/000512200

Triple-negatieve borstkanker

Sabine Linn, Gabe Sonke

B-proefd BVN 2013 midwinter nr 9

BOOG 2013-02 / PROS MALE BC

Quality of Life in Male Breast Cancer: Prospective Study of the International Male Breast Cancer Program (EORTC10085/TBCRC029/BIG2-07/NABCG).

Schröder CP, van Leeuwen-Stok E, Cardoso F, Linderholm B, Poncet C, Wolff AC, Bjelic-Radisic V, Werutsky G, Abreu MH, Bozovic-Spasojevic I, den Hoed I, Honkoop AH, Los M, Leone JP, Russell NS, Smilde TJ, van der Velden AWG, Van Poznak C, Vleugel MM, Yung RL, Coens C, Giordano SH, Ruddy KJ.

Oncologist. 2023 Oct 3; 28(10):e877-e883. doi: 10.1093/oncolo/oyad152

NANOSTRING: Evaluation of multiple transcriptomic gene risk signatures in male breast cancer.

Bayani J, Poncet C, Crozier C, Neven A, Piper T, Cunningham C, Sobol M, Aebi S, Benstead K, Bogler O, Dal Lago L, Fraser J, Hilbers F, Hedenfalk I, Korde L, Linderholm B, Martens J, Middleton L, Murray M, Kelly C, Nilsson C, Nowaczyk M, Peeters S, Peric A, Porter P, Schröder C, Rubio IT, Ruddy KJ, van Asperen C, Van Den Weyngaert D, van Deurzen C, van Leeuwen-Stok E, Vermeij J, Winer E, Giordano SH, Cardoso F, Bartlett JMS.

NPJ Breast Cancer. 2021 Jul 26;7(1):98.

Loss of Y-Chromosome during Male Breast Carcinogenesis. *Cancers.*

Agahozo MC, Timmermans MAM, Sleddens HFBM, Foekens R, Trapman-Jansen AMAC, Schröder CP, van Leeuwen-Stok E, Martens JWM, N M Dinjens W, van Deurzen CHM.

Cancers. 2020;12(3).

High hepatocyte growth factor expression in primary tumor predicts better overall survival in male breast cancer

Qiu SQ, van Rooijen J, Nienhuis HH et al.

Breast Cancer Res. 2020 Mar 18;22(1):30. doi: 10.1186/s13058-020-01266-x.

Expression of hypoxia-induced proteins in ductal carcinoma in situ and invasive cancer of the male breast. *J Clin Pathol.*

Vermeulen MA, van Deurzen CH, Schroder CP, Martens JW, van Diest PJ.

J Clin Pathol. 2019 Oct 25. pii: jclinpath-2019-206116. doi: 10.1136/jclinpath-2019-206116.

Profiling Male Breast Cancers using the OncoPrint Comprehensive Assay. (M. Spears)

Status: Samples were analyzed. The abstract with bioinformatics results has been presented at San Antonio Breast Cancer Symposium 2019. Manuscript is under preparation.

Characterization of male breast cancer: results of the EORTC 10085/TBCRC/BIG/NABC International Male Breast Cancer Program.

Cardoso F, Bartlett JMS, Slaets L, van Deurzen CHM, van Leeuwen-Stok E, Porter P, Linderholm B, Hedenfalk I, Schröder C, Martens J, Bayani J, van Asperen C, Murray M, Hudis C, Middleton L, Vermeij J, Punie K, Fraser J, Nowaczyk M, Rubio IT, Aebi S, Kelly C, Ruddy KJ, Winer E, Nilsson C, Dal Lago L, Korde L, Benstead K, Bogler O, Goulioti T, Peric A, Litière S, Aalders KC, Poncet C, Tryfonidis K, Giordano SH. *Ann Oncol.* 2018; 29:405-417.

Male breast cancer RNA sequencing. (J. Martens)

Status: Analyses of first 73 patients completed, presented at SABCS 2017 (poster spotlight). Additional samples were analyzed. Further analysis are ongoing.

Als man behandeld, gráág! Pink Ribbon-project. Optimale voorlichting en zorg voor mannen met borstkanker

Paul Peijenerburg
BVN 2016 nr 18

BOOG 2013-03 / PERNETTA**Pertuzumab Plus Trastuzumab With or Without Chemotherapy Followed by Emtansine in ERBB2-Positive Metastatic Breast Cancer: A Secondary Analysis of a Randomized Clinical Trial**

Huober J, Weder P, Ribí K, Thürlimann B, Thery JC, Li Q, Vanlemmens L, Guiu S, Brain E, Grenier J, Dalenc F, Levy C, Savoye AM, Müller A, Membrez-Antonioli V, Gérard MA, Lemonnier J, Hawle H, Dietrich D, Boven E, Bonnefoi H; Swiss Group for Clinical Cancer Research, Unicancer Breast Group, and Dutch Breast Cancer Research Group. *JAMA Oncol.* 2023 Aug 10:e232909. doi: 10.1001/jamaoncol.2023.2909.

PERNETTA: A non-comparative randomized open label phase II trial of pertuzumab (P) + trastuzumab (T) with or without chemotherapy both followed by T-DM1 in case of progression, in patients with HER2-positive metastatic breast cancer (MBC): (SAKK 22/10 / UNICANCER UC-0140/1207) <https://www.scienceopen.com/document?vid=c18084ed-0ac8-486d-8264-9f46a18c6575>

Pertuzumab (P) + trastuzumab (T) with or without chemotherapy both followed by T-DM1 in case of progression in patients with HER2-positive metastatic breast cancer (MBC) - The PERNETTA trial (SAKK 22/10), a randomized open label phase II study (SAKK, UNICANCER, BOOG)

J. Huober, K. Ribí, P. Weder, B. Thürlimann, E. Boven, H. Bonnefoi
Annals of Oncology: <https://doi.org/10.1093/annonc/mdz100.001>

ASCO post 2019: ESMO Breast Cancer 2019: PERNETTA Trial Examines Treatment De-escalation in Women with HER2-Positive Breast Cancer <https://ascopost.com/News/59995>

Huober J, et al. Presented at: European Society for Medical Oncology (ESMO) Congress, Munich, Germany, October 19-23, 2018.

BOOG 2013-04 / DIRECT**IGF1 and Insulin Receptor Single Nucleotide Variants Associated with Response in HER2-Negative Breast Cancer Patients Treated with Neoadjuvant Chemotherapy with or without a Fasting Mimicking Diet (BOOG 2013-04 DIRECT Trial).**

de Gruil N, Böhringer S, de Groot S, Pijl H, Kroep JR, Swen JJ.
Cancers (Basel). 2023 Dec 17;15(24):5872.

Tumor-stroma ratio is associated with Miller-Payne score and pathological response to neoadjuvant chemotherapy in HER2-negative early breast cancer.

Hagenaars SC, de Groot S, Cohen D, Dekker TJA, Charehbilí A, Meershoek-Klein Kranenbarg E, Duijnde Carpentier M, Pijl H, Putter H, Tollenaar RAEM, Kroep JR, Mesker WE; Dutch Breast Cancer Research

Group (BOOG).
Int J Cancer. 2021 May 27.

Quality of life and illness perceptions in patients with breast cancer using a fasting mimicking diet as an adjunct to neoadjuvant chemotherapy in the phase 2 DIRECT (BOOG 2013-14) trial.

Lugtenberg RT, de Groot S, Kaptein AA, Fischer MJ, Meershoek-Klein Kranenbarg E, Duijm-de Carpentier M, Cohen D, de Graaf H, Heijns JB, Portielje JEA, van de Wouw AJ, Imholz ALT, Kessels LW, Vrijaldenhoven S, Baars A, Fiocco M, van der Hoeven JJM, Gelderblom H, Longo VD, Pijl H, Kroep JR; Dutch Breast Cancer Research Group (BOOG).
Breast Cancer Res Treat. 2020 Nov 11.

Fasting mimicking diet as an adjunct to neoadjuvant chemotherapy for breast cancer in the multicentre randomized phase 2 DIRECT trial.

de Groot S, Lugtenberg RT, Cohen D, Welters MJP, Ehsan I, Vreeswijk MPG, Smit VTHBM, de Graaf H, Heijns JB, Portielje JEA, van de Wouw AJ, Imholz ALT, Kessels LW, Vrijaldenhoven S, Baars A, Meershoek-Klein Kranenbarg E, Duijm-de Carpentier M, Putter H, van der Hoeven JJM, Nortier JWR, Longo VD, Pijl H, Kroep JR; Dutch Breast Cancer Research Group (BOOG).
Nat Commun. 2020 Jun 23;11(1):3083.

Dietary REstriction as an adjunct to neoadjuvant ChemoTherapy for HER2-negative breast cancer: Final results from the DIRECT trial (BOOG 2013-04).

S. de Groot, R.T. Lugtenberg, M.J.P. Welters, I. Ehsan, M.P.G. Vreeswijk, D. Cohen, V.T.H.B.M. Smit, H. de Graaf, J. B. Heijns, J.E.A. Portielje, A.J. van de Wouw, A.L.T. Imholz, L.W. Kessels, S. Vrijaldenhoven, A. Baars, E. Meershoek-Klein Kranenbarg, M. Duijm-de Carpentier, H. Putter, V.D. Longo, J.J.M. van der Hoeven, J.W.R. Nortier, H. Pijl, J.R. Kroep on behalf of the Dutch Breast Cancer Research Group (BOOG)
SABCS 2018 Poster presentation(P1-15-20)

The effects of short-term fasting on tolerance to (neo) adjuvant chemotherapy in HER2-negative breast cancer patients: a randomized pilot study.

de Groot S, Vreeswijk MP, Welters MJ, Gravesteyn G, Boei JJ, Jochems A, Houtsma D, Putter H, van der Hoeven JJ, Nortier JW, Pijl H, Kroep JR.
BMC Cancer. 2015 Oct 5;15:652.

BOOG 2013-06 / BIOMARKER EVEROLIMUS

PI3K-Akt-mTOR pathway analysis to obtain further insight in the efficacy of everolimus in combination with exemestane in metastatic, ER-positive breast cancer: A Dutch breast cancer research group (BOOG) study

Dinja T Kruger¹, Karin Beelen², Connie R Jimenez¹, Maurice PHM Jansens³, Stefan Sleijfer³, Sabine C Linn² and Epie Boven¹.
SABCS 2014, publication number: OT1-1-02

De Everolimus Biomarker Studie: analyse van de PI3K-Akt-mTOR route om meer inzicht te verkrijgen in de effectiviteit van everolimus in combinatie met exemestane bij gemetastaseerd mammacarcinoom - Een studie van de Borstkanker Onderzoek Groep (BOOG) Nederland

Kruger DT, Linn SC, Beelen K, Sleijfer S, Jansen MPH, Jimenez CR, Boven E.
Ned Tijdschr Oncol 2014;11:250-254

Biomarker Study Everolimus, een studie van de Borstkanker Onderzoek Groep Nederland

Kruger DT, Beelen K, Sleijfer S, Jansen MPH, Jimenez CR, Linn SC, Boven E.
Kanker Breed 2014;6:23-25

BOOG 2013-08 / Lumpectomie

Quality assurance of radiation therapy after breast-conserving surgery among patients in the BOOG 2013-08 trial V.M. Wintraecken a,b,* , L.J. Boersma c, L.M. van Roozendaal d, J. de Vries e,f, S.M.J. van Kuijk g, M.L.G. Vane a,b, T. van Dalen h,i, J.A. van der Hage j, L.J.A. Strobbe k, S.C. Linn l,

M.B. I. Lobbes a,m,n, P.M.P Poortmans o,p, V.C.G. Tjan-Heijnen a,q, K.K.B.T. van de Vijver r,s,t, A. H. Westenberg u, J.H.W. de Wilt v, M.L. Smidt a,b, J.M. Simons a,w, on behalf of the BOOG 2013- 08 group *Radiotherapy and Oncology*, <https://doi.org/10.1016/j.radonc.2023.110069>; online 21 December 2023

A descriptive systematic review of the relationship between personality traits and quality of life of women with non-metastatic breast cancer

Veerle Marieke Wintraecken, Sophie Vulik, Sabine de Wild, Carmen Dirksen, Linetta B Koppert, Jolanda de Vries, Marjolein L Smidt Affiliations expand
BMC Cancer 2022 Apr 19;22(1):426. doi: 10.1186/s12885-022-09408-4.

Conditional local recurrence risk: the effect of event-free years in different subtypes of breast cancer

Moosdorff M, Vane MLG, van Nijnatten TJA, van Maaren MC, Goorts B, Heuts EM, Strobbe LJA, Smidt ML.
Breast Cancer Res Treat. 2021 Apr;186(3):863-870. doi: 10.1007/s10549-020-06040-3. Epub 2021 Mar 10. PMID: 33689058 **Free PMC article.**

Women Could Avoid Axillary Lymph Node Dissection by Choosing Breast-Conserving Therapy Instead of Mastectomy

Vane MLG, Hunter-Squires J, Kim S, Smidt ML, Giuliano AE.
Ann Surg Oncol. 2021 May;28(5):2522-2528. doi: 10.1245/s10434-021-09674-9. Epub 2021 Feb 14. PMID: 33586070

Conditional regional recurrence risk: The effect of event-free years in different subtypes of breast cancer.

Vane MLG, Moosdorff M, van Maaren MC, van Kuijk SMJ, van Nijnatten TJA, van Roozendaal LM, Boerma EG, de Wilt JHW, Smidt ML. Vane MLG, et al.
Eur J Surg Oncol. 2020 Nov 27;S0748-7983(20)31018-0. doi: 10.1016/j.ejso.2020.11.122. Online ahead of print.*Eur J Surg Oncol.* 2020. PMID: 33349525

Does the subtype of breast cancer affect the diagnostic performance of axillary ultrasound for nodal staging in breast cancer patients?

Vane MLG, van Nijnatten TJA, Nelemans PJ, Lobbes MBI, van Roozendaal LM, Kooreman LFS, Keymeulen KBMI, Smidt ML, Schipper RJ. *Eur J Surg Oncol.* 2019 Jan 14. pii: S0748-7983(19)30035-6

Extracapsular extension in the positive sentinel lymph node: a marker of poor prognosis in cT1-2N0 breast cancer patients?

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BOOG 2014-01 / MONALEESA-2

Intrinsic Subtype and Overall Survival of Patients with Advanced HR+/HER2- Breast Cancer Treated with Ribociclib and ET: Correlative Analysis of MONALEESA-2, -3, -7

Prat et al



Clinical Cancer Research 2024

Efficacy, safety, and quality of life with ribociclib + endocrine therapy in elderly patients with HR+/HER2- advanced breast cancer across the MONALEESA-2, -3, and -7 trials

Hart et al
SABCS 2023; #PS02-01

Quality of life with ribociclib versus abemaciclib as first-line treatment of HR+/HER2- advanced breast cancer: a matching-adjusted indirect comparison

Rugo et al
Ther Adv Med Oncol 2023

Cost-effectiveness of ribociclib versus Palbociclib in combination with an aromatase inhibitor as first-line treatment of postmenopausal women with HR+/HER2- advanced breast cancer: analysis based on final OS results of MONALEESA-2 and PALOMA-2

Cameron et al
JME 2023

Efficacy and safety of first line ribociclib + letrozole in patients with de novo metastatic disease and late recurrence from (neo)adjuvant therapy in MONALEESA 2

Joyce O'Shaughnessy et al 196P
ESMO Breast 2023

Identification of mechanisms of acquired resistance to ribociclib plus endocrine therapy using baseline and end-of-treatment circulating tumor DNA samples in the MONALEESA-2, -3, and -7 trials

André et al P5-02-14
SABCS 2022

Pooled gene expression analysis and association with treatment response in patients with HR+/HER2-advanced breast cancer in the MONALEESA-2, -3, and -7 trials

Bardia et al PD17-08
SABCS 2022

Pooled analysis of post-progression treatments after first-line ribociclib + endocrine therapy in patients with HR+/HER2- advanced breast cancer in the MONALEESA-2, -3, and -7 studies

Hamilton et al P4-01-42
SABCS 2022

Impact of ribociclib dose modifications on overall survival in patients with HR+/HER2- advanced breast cancer in MONALEESA-2. ASCO 2022 poster Hart (#1017)

Pooled exploratory analysis of survival in patients (pts) with HR+/HER2- advanced breast cancer (ABC) and visceral metastases (mets) treated with ribociclib(RIB) + endocrine therapy (ET) in the MONALEESA (ML) trials ESMO 2022 poster Yardley (#205P)

Overall Survival with Ribociclib plus Letrozole in Advanced Breast Cancer

Gabriel N. Hortobagyi, M.D., Salomon M. Stemmer, M.D., Howard A. Burris, M.D., Yoon-Sim Yap, M.D., Gabe S. Sonke, M.D., Ph.D., Lowell Hart, M.D., Mario Campone, M.D., Ph.D., Katarina Petrakova, M.D., Ph.D., Eric P. Winer, M.D., Wolfgang Janni, M.D., Ph.D., Pierfranco Conte, M.D., Ph.D., David A. Cameron, M.D., Fabrice André, M.D., Ph.D., Carlos L. Arteaga, M.D., Juan P. Zarate, M.D., Arunava Chakravarty, Ph.D., Tetiana Taran, M.D., Fabienne Le Gac, Ph.D., Pharm.D., Paolo Serra, M.Sc., and Joyce O'Shaughnessy, M.D

N Engl J Med 2022; 386:942-950 DOI: 10.1056/NEJMoa2114663

Correlative analysis of overall survival by intrinsic subtype across the MONALEESA-2, -3, and -7 studies of ribociclib + endocrine therapy in patients with HR+/HER2- advanced breast cancer; SABCS 2021 abstract GS2-00 Carey

Overall survival subgroup analysis by metastatic site from the phase 3 MONALEESA-2 study of first-line ribociclib + letrozole in postmenopausal patients with advanced HR+/HER2- breast cancer SABCS 2021 abstract PD2-05 Prat

Genomic profiling of PAM50-based intrinsic subtypes in HR+/HER2- advanced breast cancer (ABC) across the MONALEESA (ML) studies SABCS 2021 abstract GS2-01 O'Shaughnessy

Ribociclib with letrozole vs letrozole alone in elderly patients with hormone receptor-positive, HER2-negative breast cancer in the randomized MONALEESA-2 trial.

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Ribociclib plus letrozole versus letrozole alone in patients with de novo HR+, HER2- advanced breast cancer in the randomized MONALEESA-2 trial

O'Shaughnessy J, Petrakova K, Sonke GS, Conte P, Arteaga CL, Cameron DA, Hart LL, Villanueva C, Jakobsen E, Beck JT, Lindquist D, Souami F, Mondal S, Germa C, Hortobagyi GN.

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Ribociclib plus letrozole versus letrozole alone in patients with denovo HR+, HER2- advanced breast cancer in the randomized MONALEESA-2 trial

Joyce O'Shaughnessy, Katarina Petrakova, Gabe S. Sonke, Pierfranco Conte, Carlos L. Arteaga, David A. Cameron, Lowell L. Hart, Cristian Villanueva, Erik Jakobsen, Joseph T. Beck, Deborah Lindquist, Farida Souami, Shoubhik Mondal, Caroline Germa, Gabriel N. Hortobagyi

Breast Cancer Research and Treatment, 18 September 2017

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BOOG 2014-02 / BRAVO

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BOOG 2014-03 / OLYMPIA

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Yamauchi, H. et al.

Breast Cancer. 2023;30(4):596-605. doi:[10.1007/s12282-023-01451-8](https://doi.org/10.1007/s12282-023-01451-8)

Patient-reported Outcomes in OlympiA: A Phase III, Multicenter, Randomized, Placebo-controlled Trial of Adjuvant Olaparib in Patients with gBRCA1/2 Mutations and High-risk HER2-negative Early Breast Cancer

Ganz, et al.

Journal of Clinical Oncology. 2024 feb 1. doi: 10.1200/JCO.23.01214

Overall survival in the OlympiA phase III trial of adjuvant olaparib in patients with germline pathogenic variants in BRCA1/2 and high-risk, early breast cancer

C E Geyer Jr, J E Garber, R D Gelber, G Yothers, M Taboada, L Ross, P Rastogi, K Cui, A Arahmani, G Aktan, A C Armstrong, M Arnedos, J Balmaña, J Bergh, J Bliss, S Delaloge, S M Domchek, A Eisen, F Elsafy, L E Fein, A Fielding, J M Ford, S Friedman, K A Gelmon, L Gianni, M Gnant, S J Hollingsworth, S-A Im, A Jager, Ó Þ Jóhannsson, S R Lakhani, W Janni, B Linderholm, T-W Liu, N Loman, L Korde, S Loibl, P C Lucas, F Marmé, E Martínez de Dueñas, R McConnell, K-A Phillips, M Piccart, G Rossi, R Schmutzler, E Senkus, Z Shao, P Sharma, C F Singer, T Španić, E Stickeler, M Toi, T A Traina, G Viale, G Zoppoli, Y H Park, R Yerushalmi, H Yang, D Pang, K H Jung 56, A Mailliez 57, Z Fan 58, I Tennevet 59, J Zhang 60, T Nagy 61, G S Sonke 62, Q Sun 63, M Parton 64, M A Colleoni 65, M Schmidt 66, A M Brufsky 1, W Razaq 67, B Kaufman 68, D Cameron 69, C Campbell 70, A N J Tutt 71; OlympiA Clinical Trial Steering Committee and Investigators

PMID: 36228963 DOI: 10.1016/j.annonc.2022.09.159

Quality of life results from OlympiA: A phase III, multicenter, randomized, placebo-controlled trial of adjuvant olaparib after (neo)-adjuvant chemotherapy in patients with germline BRCA1/2 mutations and high-risk HER-2 negative early breast cancer

SABCS abstract 2021 GS4-09 Ganz PA

OlympiA: A phase III, multicenter, randomized, placebo-controlled trial of adjuvant olaparib after (neo)adjuvant chemotherapy in patients with germline BRCA1/2 mutations and high-risk HER2-negative early breast cancer.

Andrew Tutt, Judy Ellen Garber, Bella Kaufman, Giuseppe Viale, Debora Fumagalli, Priya Rastogi, Richard D. Gelber, Evandro de Azambuja, Anitra Fielding, Judith Balmana Gelpi, Karen A. Gelmon, Nigel Baker, Amal Arahmani, Elzbieta Senkus-Konefka, Eleanor Mc Fadden, Vassiliki Karantza, Sunil R. Lakhani, Greg Yothers, Christine Campbell, Charles E. Geyer *Late breaking oral presentation at ASCO Annual Meeting, June 2021; DOI: 10.1200/JCO.2021.39.15_suppl.LBA1*

Journal of Clinical Oncology 39, no. 18_suppl

Adjuvant Olaparib for Patients with BRCA1- or BRCA2-Mutated Breast Cancer. Andrew N.J. Tutt, Judy E. Garber, Bella Kaufman, Giuseppe Viale, Debora Fumagalli, Priya Rastogi, Richard D. Gelber, Evandro de Azambuja, Anitra Fielding, Judith Balmaña, Susan M. Domchek, Karen A. Gelmon, Simon J. Hollingsworth, Larissa A. Korde, Barbro Linderholm, Hanna Bandos, Elzbieta Senkus, Jennifer M. Suga, Zhimin Shao, Andrew W. Pippas, Zbigniew Nowecki, Tomasz Huzarski, Patricia A. Ganz, Peter C. Lucas, Nigel Baker, Sibylle Loibl, Robin McConnell, Martine Piccart, Rita Schmutzler, Guenther G. Steger, Joseph P. Costantino, Amal Arahmani, Norman Wolmark, Eleanor McFadden, Vassiliki Karantza, Sunil R. Lakhani, Greg Yothers, Christine Campbell, and Charles E. Geyer, for the OlympiA Clinical Trial Steering Committee and Investigators. *Published in New England Journal of Medicine, June 2021*

(<https://doi.org/10.1056/nejmoa2105215>).

OlympiA, Neo-Olympia and OlympiAD: Randomized phase III trials of olaparib in patients (pts) with breast cancer (BC) and a germline *BRCA1/2* mutation (gBRCAm)

Mark Robson, Andrew Tutt, Judith Balmaña, Bella Kaufman, Judy Garber, Charles Geyer, James Ford, Priyanka Sharma, Mary Stuart, Helen Mann and Peter A Fasching.

SABCS 2020, publication number: OT1-1-04

BOOG 2014-04 / LORD

Preferences of Treatment Strategies among Women with Low-Risk DCIS and Oncologists

Danalyn Byng, Valesca P. Retèl, Ellen G. Engelhardt, Catharina G. M. Groothuis-Oudshoorn, Janine A. van Til, Renée S. J. M. Schmitz, Frederieke van Duijnhoven, Jelle Wesseling

Cancers 2021, 13(16), 3962

Active surveillance versus treatment in low-risk DCIS: Women's preferences in the LORD-trial - European Journal of Cancer (ejcancer.com)

R.S.J.M. Schmitz, E.G. Engelhardt, M.A. Gerritsma, C.M.T. Sondermeijer, E. Verschuur, J. Houtzager, R. Griffioen, V. Retèl, N. Bijker, R.M. Mann, F. van Duijnhoven, J. Wesseling, E.M.A. Bleiker, Grand Challenge PRECISION Consortium

European Journal of Cancer aug 2023

The successful patient-preference design for the LORD-trial to test whether active surveillance for low-risk Ductal Carcinoma In Situ is safe.

R. Schmitz, C. Sondermeijer, V. van der Noort, Ellen G. Engelhardt, M. Gerritsma, E. Verschuur, M. van Oirsouw, Eveline M.A. Bleiker, Nina Bijker, R. Mann, Frederieke van Duijnhoven, Jelle Wesseling.

November 2022, [European Journal of Cancer](#) 175:S3-S4

112P Patients' knowledge about ductal carcinoma in situ

Ellen G. Engelhardt, R. Schmitz, M. Gerritsma, C. Sondermeijer, E. Verschuur-van der Voort, M. van Oirsouw, Valesca P. Retèl, Frederieke van Duijnhoven, Jelle Wesseling, Eveline M.A. Bleiker.

May 2022. Annals of Oncology 33:S176

Feasibility of a prospective, randomised, open-label, international multicentre, phase III, non-inferiority trial to assess the safety of active surveillance for low risk ductal carcinoma in situ – The LORD study

Lotte E. Elshof a,b,c, Konstantinos Tryfonidis d, Leen Slaets e, A. Elise van Leeuwen-Stok f, Victoria P. Skinner a, Nicolas Dif g, Ruud M. Pijnappel h, Nina Bijker i, Emiel J.Th. Rutgers a, Jelle Wesseling b,j,†

European Journal of Cancer (2015) 51, 1497–1510

The LORD trial: A randomized, non-inferiority trial, between active surveillance versus standard treatment in patients with low risk ductal carcinoma in situ

Lotte E Elshof, Konstantinos Tryfonidis, Leen Slaets, A Elise van Leeuwen-Stok, Nicolas Dif, Victoria P Skinner, Claudette E Loo, Gonneke Warnars, Eveline Bleiker, Ruud M Pijnappel, Nina Bijkers, Emiel JTh Rutgers and Jelle Wesseling,

Abstract SABCS 2014, Program Number: OT3-6-01

BOOG 2014-05 / INFLAME

Clinicopathological characterization of inflammatory breast cancer in the Netherlands: First results of the prospective INFLAME registry

SABCS 2021 abstract P1-24-03 van Geel JJJ

Baseline data t/m einde behandeling zijn verzameld en gecleand t/m augustus 2021.

Presentatie Bossche Mammadagen 2021

Inflammatoir mammacarcinoom: belang voor de huisartspraktijk.

Schröder CP, van der Woude GF, Jansen L, Martens J, Wesseling J, Sonke G.

Huisarts & Wetenschap 2017; 8: 404-407.

Immune cell type fractions and gene expression in inflammatory breast cancer

Bense R, de Vries EGE, Fehrmann R, Schröder CP. Oral poster presentation by C.P. Schröder on July 10, 2016.

5th International Inflammatory Breast Cancer Conference, Harvard Medical School, Boston, U.S.A.

BOOG 2015-01 / MONARCH-3

Abemaciclib Plus Fulvestrant or Nonsteroidal Aromatase Inhibitor in Participants With HR+, HER2- Breast Cancer – A Pooled Analysis of the Endocrine Therapy-Naïve Participants With Measurable Disease in MONARCH 2 and MONARCH 3

SABCS 2021 abstract P1-18-21 Goetz MP, et al. Presented at: American Society of Clinical Oncology, June 1-5, 2018; Chicago, IL. USA.

BOOG 2015-02 / MONALEESA-3

Intrinsic Subtype and Overall Survival of Patients with Advanced HR+/HER2- Breast Cancer Treated with Ribociclib and ET: Correlative Analysis of MONALEESA-2, -3, -7

Prat et al

Clinical Cancer Research 2024

Efficacy, safety, and quality of life with ribociclib + endocrine therapy in elderly patients with HR+/HER2- advanced breast cancer across the MONALEESA-2, -3, and -7 trials

Hart et al

SABCS 2023; #PS02-01

Identification of mechanisms of acquired resistance to ribociclib plus endocrine therapy using baseline and end-of-treatment circulating tumor DNA samples in the MONALEESA-2, -3, and -7 trials

André et al

P5-02-14 SABCS 2022

Pooled gene expression analysis and association with treatment response in patients with HR+/HER2-advanced breast cancer in the MONALEESA-2, -3, and -7 trials

Bardia et al PD17-08

SABCS 2022

Pooled analysis of post-progression treatments after first-line ribociclib + endocrine therapy in patients with HR+/HER2- advanced breast cancer in the MONALEESA-2, -3, and -7 studies

Hamilton et al P4-01-42

SABCS 2022

Updated Overall Survival Results From the First-Line Population in the Phase III MONALEESA-3 Trial of Postmenopausal Patients With HR+/HER2- Advanced Breast Cancer Treated With Ribociclib + Fulvestrant [oral]. ESMO breast 2022 Neven (LBA4)

Ribociclib plus fulvestrant for postmenopausal women with hormone receptor-positive, human epidermal growth factor receptor 2-negative advanced breast cancer in the phase III randomized

MONALEESA-3 trial: updated overall survival

Updated Overall Survival Results From the First-Line Population in the Phase III MONALEESA-3 Trial of Postmenopausal Patients With HR+/HER2- Advanced Breast Cancer Treated With Ribociclib + Fulvestrant [oral]. ESMO breast 2022 Neven (LBA4)

Ann Oncol . 2021 Aug;32(8):1015-1024. doi: 10.1016/j.annonc.2021.05.353.

Correlative analysis of overall survival by intrinsic subtype across the MONALEESA-2, -3, and -7 studies of ribociclib + endocrine therapy in patients with HR+/HER2- advanced breast cancer

SABCS 2021 abstract GS2-00 Carey

Genomic profiling of PAM50-based intrinsic subtypes in HR+/HER2- advanced breast cancer (ABC) across the MONALEESA (ML) studies

SABCS 2021 abstract PD2-05 Prat

Analysis of first-line (1L) patients (pts) with de novo disease vs late relapse and all pts with vs without prior chemotherapy (CT) in the MONALEESA-3 (ML-3) trial

SABCS 2021 abstract P1-18-11 De Laurentiis

Ribociclib plus fulvestrant for postmenopausal women with hormone receptor-positive, human epidermal growth factor receptor 2-negative advanced breast cancer in the phase III randomized MONALEESA-3 trial: updated overall survival

D J Slamon , P Neven , S Chia , G Jerusalem , M De Laurentiis , S Im , K Petrakova , G Valeria Bianchi, M Martín , A Nusch, G S Sonke, L De la Cruz-Merino, J T Beck, Y Ji, C Wang, U Deore, A Chakravarty, J P Zarate, T Taran, P A Fasching

Ann Oncol.2021 Aug;32(8):1015-1024. doi: 10.1016/j.annonc.2021.05.353. Epub 2021 Jun 5

Updated overall survival (OS) results from the phase III MONALEESA-3 trial of postmenopausal patients (pts) with HR+/HER2 advanced breast cancer (ABC) treated with fulvestrant (FUL) ± ribociclib (RIB).

Dennis J. Slamon, Patrick Neven, Stephen K. L. Chia, Guy Heinrich Maria Jerusalem, Michelino De Laurentiis, Seock-Ah Im, Katarina Petrakova, Giulia Valeria Bianchi, Miguel Martin, Arnd Nusch, Gabe S. Sonke, Luis de la Cruz-Merino, J. Thaddeus Beck, Craig Wang, Uday Deore, Arunava Chakravarty, Juan Pablo Zarate, Tetiana Taran, Peter A. Fasching

2021 by American Society of Clinical Oncology

Correlative biomarker analysis of intrinsic subtypes and efficacy across the MONALEESA Phase III studies

Prat A, Chaudhury A et al.

SABCS 2020 Presentation GS1-04.

Phase III Randomized Study of Ribociclib and Fulvestrant in Hormone Receptor-Positive, Human Epidermal Growth Factor Receptor 2-Negative Advanced Breast Cancer: Slamon DJ, Neven P, Chia S, Fasching PA, De Laurentiis M, Im SA, Petrakova K, Bianchi GV, Esteva FJ, Martín M, Nusch A, Sonke GS, De la Cruz-Merino L, Beck JT, Pivot X, Vidam G, Wang Y, Rodriguez Lorenc K, Miller M, Taran T, Jerusalem G.

J Clin Oncol. 2018 Aug 20;36(24):2465-2472

BOOG 2015-03 / POSITIVE

Fertility preservation and assisted reproduction in breast cancer patients interrupting adjuvant endocrine therapy to attempt pregnancy.

JCO 2024 (in press)

Fertility preservation and assisted reproductive technologies (ART) in breast cancer (BC) patients (pts) interrupting endocrine therapy (ET) to attempt pregnancy lead

Dr. Hatem A Azim Jr

SABCS 2023 als een oral presentation. POSITIVE abstract #1571477

Interrupting Endocrine Therapy to Attempt Pregnancy After Breast Cancer

Ann H Partridge, Samuel M Niman, Monica Ruggeri, Fedro A Peccatori, Hatem A Azim Jr, Marco Colleoni, Cristina Saura, Chikako Shimizu, Anna Barbro Sætersdal, Judith R Kroep, Audrey Mailliez, Ellen Warner, Virginia F Borges, Frédéric Amant, Andrea Gombos, Akemi Kataoka, Christine Rousset-Jablonski, Simona Borstnar, Junko Takei, Jeong Eon Lee, Janice M Walshe, Manuel Ruíz Borrego, Halle CF Moore, Christobel Saunders, Vesna Bjelic-Radisic, Snezana Susnjarić, Fatima Cardoso, Karen L Smith, Teresa Ferreiro, Karin Ribí, Kathryn Ruddy, Roswitha Kammler, Sarra El-Abed, Giuseppe Viale, Martine Piccart, Larissa A Korde, Aron Goldhirsch, Richard D Gelber, Olivia Pagani, for International Breast Cancer Study Group

NEJM 2023 (in press).

Who are the women enrolled in the POSITIVE Trial: a global study to support young hormone receptor positive breast cancer survivors desiring pregnancy?

Ann H Partridge, Samuel M Niman, Monica Ruggeri, Fedro A Peccatori, Hatem A Azim Jr, Marco Colleoni, Cristina Saura, Chikako Shimizu, Anna Barbro Sætersdal, Judith R Kroep, Audrey Maillez, Ellen Warner, Virginia F Borges, Frederic Amant, Andrea Gombos, Akemi Kataoka, Christine Rousset-Jablonski, Simona Borstnar, Hideko Yamauchi, Jeong Eon Lee, Janice M Walshe, Manuel Ruíz Borrego, Halle CF Moore, Christobel Saunders, Fatima Cardoso, Snezana Susnjar, Vesna Bjelic-Radisic, Karen L Smith, Martine Piccart, Larissa A Korde, Aron Goldhirsch, Richard D Gelber, Olivia Pagani
Breast, 2021 Aug 3;59:327-338.

Estimation of Historical Control Rate for a Single Arm De-escalation Study – Application to the POSITIVE Trial.

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Behandelpauze om zwanger te raken. Anti-hormonale therapie veilig onderbreken?

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BOOG 2016-01 / TOP-1

Minder onnodige bestraling bij ouderen. Tailored treatment for Older Patients

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BOOG 2016-02 / PALLAS

Racial and Ethnic Differences in Clinical Outcomes among North American Patients with Hormone Receptor-Positive, HER2-negative, Early Breast Cancer in the PALLAS Trial (AFT-05)

SABCS 2023 (PO3-02-05)

The impact of drug-drug interactions between palbociclib and proton pump inhibitors on clinical outcomes of patients with hormone receptor positive, HER2-negative, early breast cancer: an exploratory analysis of the PALLAS study

SABCS 2023 (PO1-01-08)

Clinical characterization, prognostic and predictive values of HER2-low in early breast cancer in the PALLAS trial
SABCS (PO1-01-13)

Protocol-defined biomarker analysis in the PALLAS adjuvant trial (AFT-05; ABCSG-42): Genomic subtype derived from RNA sequencing of HR+/HER2- early breast cancer
SABCS 2023 (GS03-07)

Impact of Body Mass Index on treatment and outcomes in early hormone receptor[1]positive breast cancer patients receiving endocrine therapy with or without palbociclib in the PALLAS trial
ASCO 2023 poster

Development and validation of a composite biomarker predictive of Palbociclib + endocrine treatment benefit in early breast cancer: PENELOPE-B and PALLAS trials
SABCS 2022 poster session

Impact of Body Mass Index on treatment and outcomes in early hormone receptor positive breast cancer patients receiving endocrine therapy with or without palbociclib in the PALLAS trial
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BOOG 2017-01 / NEOLBC

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BOOG 2017-03 / SONIA

Primary outcome analysis of the phase 3 SONIA trial (BOOG 2017-03) on selecting the optimal position of cyclin-dependent kinases 4 and 6 (CDK4/6) inhibitors for patients with hormone receptor-positive (HR+), HER2-negative (HER2-) advanced breast cancer (ABC)

Gabe S Sonke, Annemiek Van Ommen - Nijhof, Noor Wortelboer,, Agnes Jager Md
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Van Ommen-Nijhof A, Retèl VP, Konings IR, Sonke GS
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Ann Oncol. 2021 Aug 13:S0923-7534(21)03977-6, [https://www.annalsofncology.org/article/S0923-7534\(21\)03977-6/fulltext](https://www.annalsofncology.org/article/S0923-7534(21)03977-6/fulltext)

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Annemiek van Ommen – Nijhof1, Anna van der Voort1, Inge R. Konings2, Agnes Jager3, Gabe S. Sonke1; on behalf of the SONIA investigators and the Dutch Breast Cancer Research Group (BOOG)
Posterpresentatie SABCS 2018 Session ‘trial in progress’

BOOG 2017-04 / BYLIEVE**Effect of alpelisib dose modification for AE management on progression-free survival and treatment duration in SOLAR-1 and BYLieve clinical trials**

Rugo et al
SABCS 2023; #PO2-04-10

Alpelisib + endocrine therapy in patients with PIK3CA-mutated, hormone receptor-positive, human epidermal growth factor receptor 2-negative, advanced breast cancer: Analysis of all 3 cohorts of the BYLieve study

Chia et al poster 1078 ASCO 2023

Long-term (LT) and very-long-term (VLT) disease control in patients (pts) from BYLieve study Cohort A with PIK3CA-mutant, hormone receptor-positive (HR+), human epidermal growth factor receptor 2-negative (HER2-) advanced breast cancer (ABC)

SABCS 2022 / Rugo et al, PD13-06

Baseline and End-of-Treatment Biomarkers in Patients With PIK3CA-Mutated, Hormone Receptor-Positive, Human Epidermal Growth Factor Receptor 2-Negative Advanced Breast Cancer From BYLieve Study Cohorts A and B

Juric et al P4-09-12 SABCS 2022

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SABCS 2021 abstract PD13-05 Rugo

Impact of ESR1 mutations on endocrine therapy (ET) plus alpelisib benefit in patients with hormone receptor-positive (HR+), human epidermal growth factor receptor 2-negative (HER2-), PIK3CA-mutated, advanced breast cancer (ABC) who progressed on or after prior cyclin-dependent kinase inhibitor (CDK4/6i) therapy in the BYLieve trial
SABCS 2021 abstract PD15-01 Turne

Alpelisib + fulvestrant in patients with hormone receptor-positive (HR+), human epidermal growth factor receptor 2-negative (HER2-), PIK3CA-mutated advanced breast cancer (ABC) previously treated with cyclin-dependent kinase 4/6 inhibitor (CDK4/6i) + aromatase inhibitor (AI): 18-month follow-up of BYLieve Cohort A
SABCS 2021 abstract P1-18-03 Ciruelos

Effect of duration of prior cyclin-dependent kinase 4/6 inhibitor (CDK4/6i) therapy (≤6 mo or >6 mo) on alpelisib benefit in patients with hormone receptor-positive (HR+), human epidermal growth factor receptor 2-negative (HER2-), PIK3CA-mutated advanced breast cancer (ABC) from BYLieve
SABCS 2021 abstract P1-18-08 Chia

Alpelisib + endocrine therapy (ET) in patients with hormone receptor-positive (HR+), human epidermal growth factor receptor 2-negative (HER2-), PIK3CA-mutated advanced breast cancer (ABC) previously treated with cyclin-dependent kinase 4/6 inhibitor (CDK4/6i): Biomarker analyses from the Phase II BYLieve study
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Rugo HS, et al
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Hope S. Rugo, Florence Lerebours, Eva Ciruelos, Pamela Drullinsky, Manuel Ruiz Borrego, Patrick Neven, Yeon Hee Park, Aleix Prat, Thomas Bachelot, Dejan Juric, Nicholas C. Turner, Nickolas Sophos, Juan Pablo Zarate, Christina Arce, Yu-Ming Shen, Stephen K. L. Chia; .
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BOOG 2018-01 / TRAIN-3

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BOOG 2020-02 / AMEERA-5

AMEERA-5 : A randomized, doubleblind phase 3 study of amcenestrant (SAR439859) + palbociclib versus letrozole + palbociclib for previously untreated ER+/HER2- advanced breast cancer

Aditya Bardia , Javier Cortes , Sara Hurvitz , Suzette Delaloge , Hiroji Iwata , Zhi-Ming Shao , Dheepak Kanagavel , Patrick Cohen, Qianying Liu, Sylvaine Cartot-Cotton, Vasiliki Pelekanou*, Joyce O'Shaughnessy

Posterpresentatie SABCS 2021

BOOG 2020-03 / SELECT

Contralateral parenchymal enhancement on breast MRI before and during neoadjuvant endocrine therapy in relation to the preoperative endocrine prognostic index

Max A. A. Ragusi, Claudette E. Loo, Bas H. M. van der Velden, Jelle Wesseling, Sabine C. Linn, Regina G. Beets-Tan, Sjoerd G. Elias & Kenneth G. A. Gilhuijs

Eur Radiol 30, 6740–6748 (2020), <https://doi.org/10.1007/s00330-020-07058-3>

BOOG 2021-01 / SEQUEL BREAST

SEQUence of Endocrine therapy in advanced Luminal Breast cancer (SEQUEL-Breast):A phase 2 study on fulvestrant beyond progression in combination with alpelisib for PIK3CA-mutated, HR+ HER2- advanced breast cancer

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SABCS 2021 abstract OT2-11-01 Komal Jhaveri

BOOG 2022-02 / DESCARTES

De DESCARTES-Studie: De-escelatie van radiotherapie bij borstkanker patiënten met een complete pathologische respons na neoadjuvante systemische therapie

drs. J.P. van Olmen , drs. A.K.E. van Hemert , prof. dr. L.J. Boersma , dr. C.A. Drukker , dr. E.G. Engelhardt , dr. J.H. Maduro , dr. N.S. Russell , prof. dr. E.J.Th. Rutgers , dr. J. Tol , prof. dr. M.T.F.D. Vrancken Peeters , dr. F.H. van Duijnhoven

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Patientenparticipatie

Patients' perceptions on breast cancer clinical trials

S. Tax., J.E. Elberse, C.A.C.M. Pittens, A.E. van Leeuwen-Stok, M. Schrieke, J.E.W. Broerse

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C.A.C.M. Pittens, J.E. Elberse, A.E. Van Leeuwen-Stok, M. Jonker, J.E.W. Broerse
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