



Survival analysis of the randomized phase III GeparOcto trial comparing neoadjuvant chemotherapy (NACT) of iddEPC versus weekly paclitaxel, liposomal doxorubicin (plus carboplatin in triple-negative breast cancer, TNBC) (PM(Cb)) for patients (pts) with high-risk early breast cancer (BC)

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- A joint study of the AGO Breast and German Breast Group





Disclosures



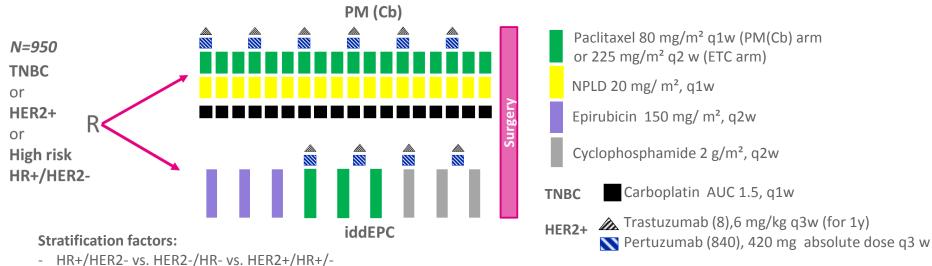
A. Schneeweiss reports grants from Celgene, Roche, AbbVie, Molecular Partner; expert testimony from Roche, AstraZeneca; travel expenses from Celgene, Roche, Pfizer; honoraria from Roche, Celgene, Pfizer, AstraZeneca, Novartis, MSD, Tesaro, Lilly outside the submitted work. V. Möbus reports speaker honoraria from Amgen, AstraZeneca, Celgene, Roche, Teva; consulting or advisor role from Roche, Amgen, Tesaro and Myelo Therapeutics. H. Tesch reports honoraria; consulting or advisor role and travel expenses from Roche, Novartis. C. Denkert reports stock and other ownership interests from Myriad Genetics, honoraria from Novartis, Roche; consulting or advisory role from MSD Oncology, Daiichi Sankyo; research funding from Myriad Genetics; patents, royalties, other intellectual property from VMScope digital pathology software, patent applications: EP18209672 - cancer immunotherapy and EP20150702464 - therapy response. C. Hanusch reports personal fees from Roche, Celgene, Pfizer, Novartis, AstraZeneca, Lilly outside the submitted work. T. Link reports non-financial support from Pharma Mar, Daiichi Sankyo, Celgene; personal fees and non-financial support from MSD, Pfizer, Roche, Clovis; personal fees from Amgen, Novartis, Teva, Tesaro outside the submitted work. M. Untch reports personal fees and non-financial support paid to the institution from Abbvie, Amgen, Astra Zeneca, Celgene, Daiji Sankyo, Eisai, Lilly, MSD Merck, Mundipharma, Myriad Genetics, Odonate, Pfizer, Roche, Sanofi Aventis Deutschland GmbH, TEVA, Novartis, Clovis Oncology; personal fees from BMS, Lilly, PUMA, Pierre Fabre, outside the submitted work. C. Jackisch reports personal fees from Celgene, Roche outside the submitted work. J-U. Blohmer reports personal fees from Amgen, AstraZeneca, MSD Oncology, Novartis, Pfizer, Roche, SonoScape outside the submitted work. P. A. Fasching reports personal fees from Novartis during the conduct of the study; grants from BionTech, Cepheid, Novartis; personal fees from Roche, Pfizer, Celgene, Daiichi-Sankyo, Merck Sharp & Dohme, Macrogenics, Eisai, Puma, Lilly, AstraZeneca outside the submitted work. J. Huober reports personal fees from Lilly, Roche, Abbvie, Astra Zeneca, MSD; grants and personal fees from Novartis, personal fees and travel expenses from Pfizer; grants, personal fees and travel expenses from Celgene; grants from Hexal, travel expenses from Daichii Sankyo outside the submitted work. K. Rhiem reports personal fees from AstraZeneca, Tesaro and Pfizer outside the submitted work. K. Lübbe reports personal fees and non-financial support from Roche, personal fees from Lilly, Novartis Genomic Health, Pfizer outside the submitted work. S. Loibl reports grant and honoraria for lectures and ad boards paid to institute from Amgen, Roche and Teva during the conduct of the study; grants and honoraria for lectures and ad boards paid to institute from Abbvie, Astra Zeneca, Celgene, Novartis, Pfizer, Daiichi-Sankyo; honoraria for lectures and ad boards paid to institute from Seattle Genetics, PriME/ Medscape, Lilly, Samsung, Eirgenix, BMS, Puma, MSD personal fees from Chugai, grants from Vifor, Immunomedics outside the submitted work; a patent EP14153692.0- immunsignature in TNBC pending. All remaining authors have declared no conflicts of interest.





GeparOcto Study Design





Endpoints

Primary endpoint: pCR rate (ypT0/is yN0)

LPBC* at baseline (no (<60% sTILs) vs. ves (≥60% sTILs))

- Main secondary endpoints: invasive disease-free survival (iDFS) and overall survival (OS)

Ki-67 at baseline (≤20% vs. >20%)



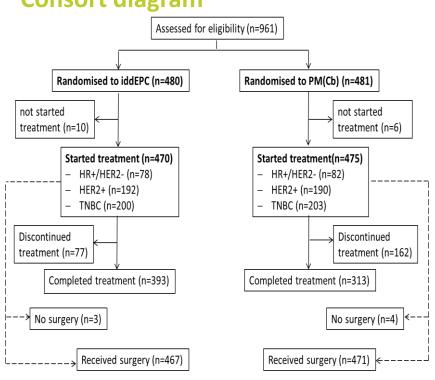
^{*}lymphocyte-predominant breast cancer



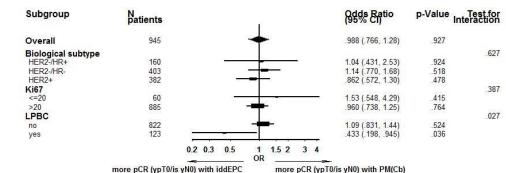
GeparOcto Primary Efficacy Endpoint



Consort diagram



Primary endpoint (ypT0/is ypN0)



- pCR (ypT0/is ypN0) rate with iddEPC was 48.3% and with PM(Cb) 48.0% (OR 0.99 [95%CI 0.77-1.28; p=0.979) with no significant differences observed in BC subtypes.¹
- Patients with LPBC achieved a significantly higher pCR rate with iddEPC vs.PM(Cb).1





GeparOcto Time-To-Event Analysis



Key time-to-event endpoints:

- iDFS defined as time in months from randomization until any invasive loco-regional (ipsilateral breast, local/regional lymph nodes) recurrence of disease, any invasive contralateral breast cancer, any distant recurrence of disease, any secondary malignancy or death due to any cause whichever occurs first.¹
- OS defines as time in months from randomization until death due to any cause.¹

Statistical considerations

- Time-to-event analysis was planned to be performed at 169 events (to detect HR=0.65 with 80% power)
- Due to Covid-19 situation the current follow-up analysis was performed at 162 events (to detect HR=0.65 with power only 2% less than the planned one).

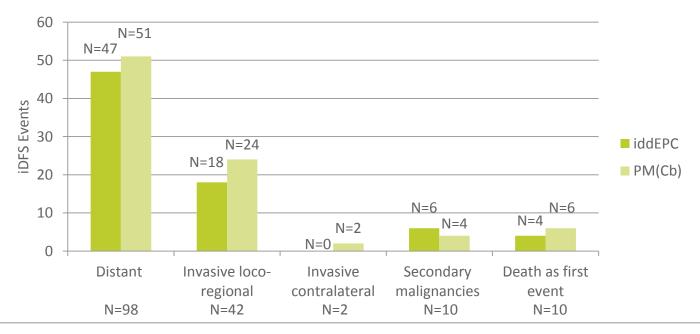




iDFS and OS Events



After a median follow-up of 47.0 (range 1.6-61.5) months, 162 iDFS events and 79 deaths (41 in iddEPC and 38 in PM(Cb)) were reported.

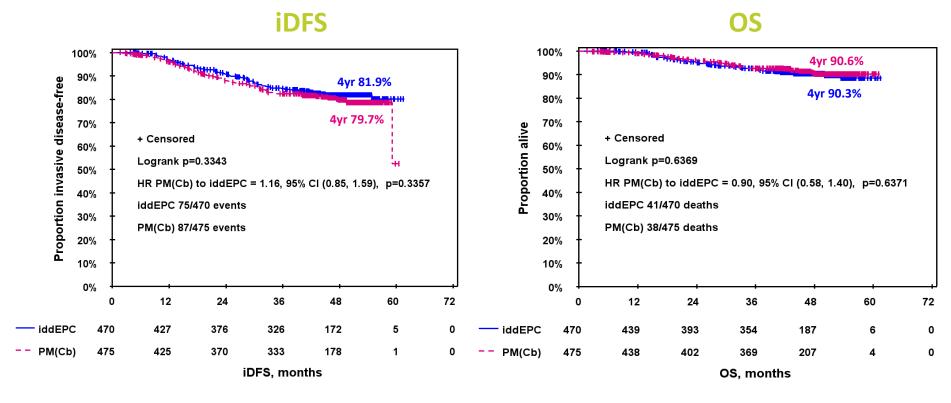






iDFS and OS overall

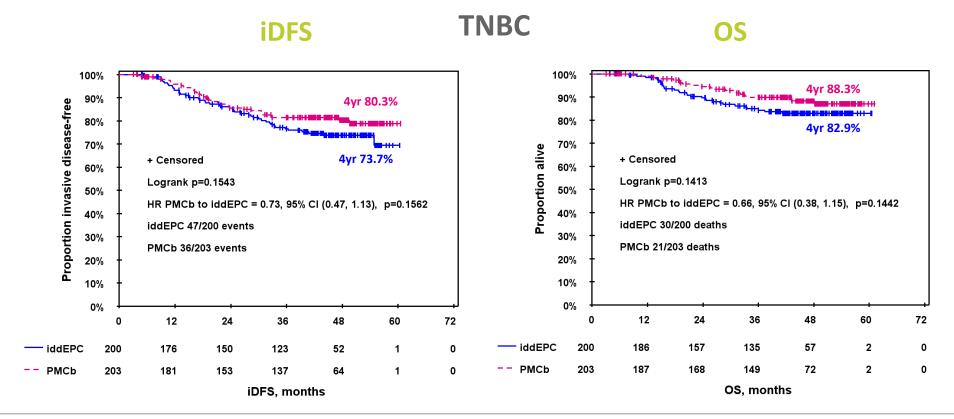








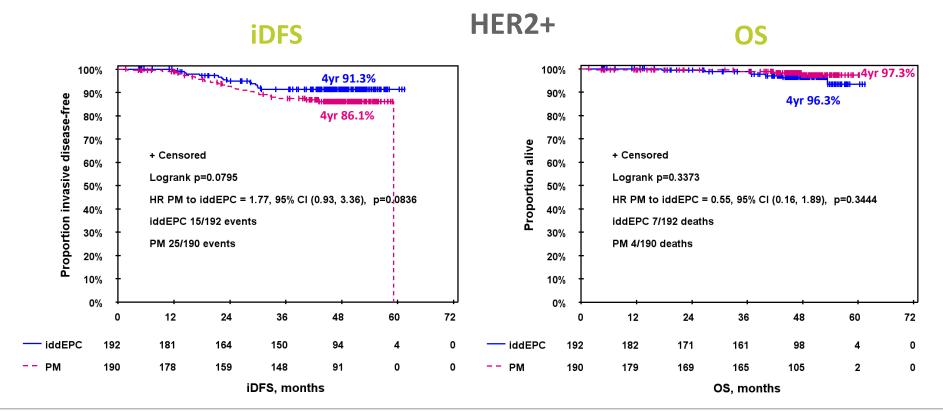








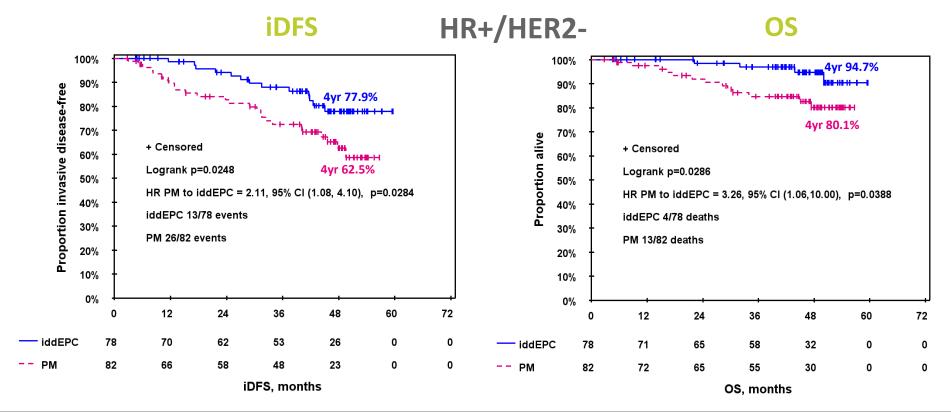










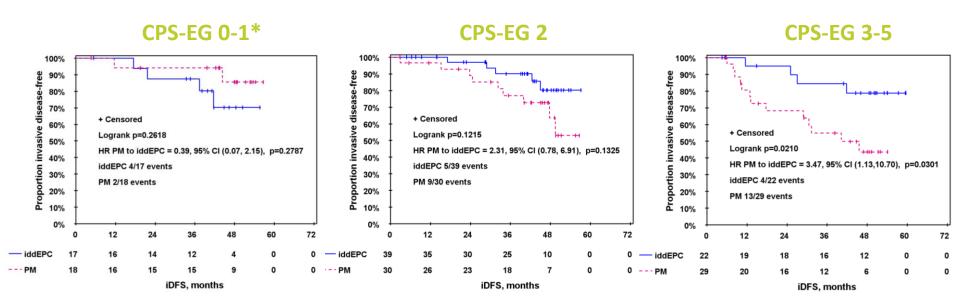








iDFS according to CPS-EG Score in HR+/HER2-



^{*}Of note, these results should be interpreted with caution due to the small number of events



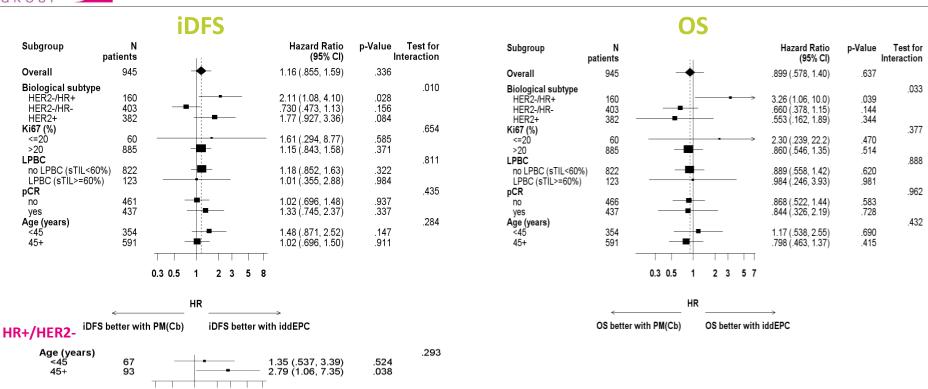


0.3 0.5

2 3 5 8

GeparOcto in Subgroups









Summary and Conclusions



- With a median follow-up of 47 months there was no significant difference in iDFS and OS following NACT with iddEPC or PM(Cb) for the entire cohort
- No significant difference in iDFS and OS was observed in the subgroup of patients with HER2+ and TNBC
- Patients with HR+/HER2- BC, however, had better iDFS and OS following iddEPC supporting the concept of an additional effect of NACT in patients with luminal-like HER2- BC which is not indicated by intermediate prognostic marker like pCR and CPS-EG score
- Cyclophosphamide might play an important role in adjuvant treatment of patients with high-risk HR+/HER2- BC





Acknowledgement



- All patients and their families
- All participating sites
- Slides are available on the webpage of GBG: www.gbg.de

Cooperating partners

Central Pathology



Financial and Drug Support



Cryostorage Biomaterial



Patient Self-Registry



GBG

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