

BACKGROUND

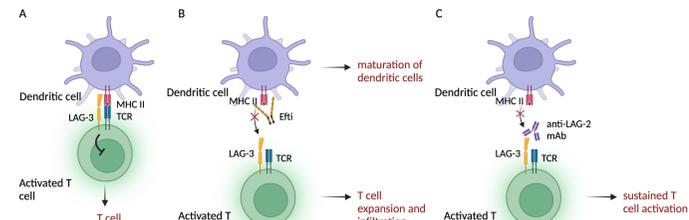


Fig. 1. Role of LAG-3 in physiological situation (A), mechanism of action of soluble LAG-3 protein efitlagimod. (efti) (B) or anti-LAG-3 monoclonal antibody (C).

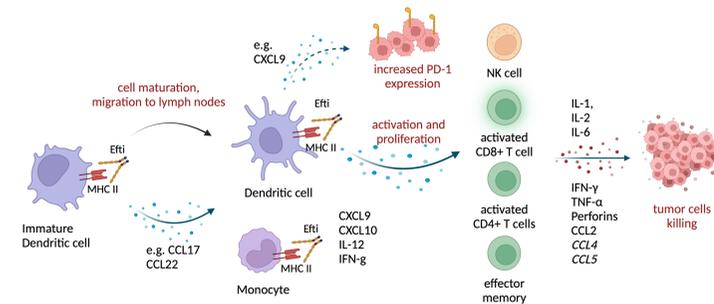


Fig. 2. Mechanism of action of soluble LAG-3 protein – efitlagimod alpha

- We hypothesize that adding combined ITH to RT prior to surgical resection would be safe and improve pathologic response compared to historical cohorts of pts with localized STS treated with RT alone.
- The percentage of hyalinisation and fibrosis, as a surrogate of pathological response, appears to be most closely correlated with treatment outcome.

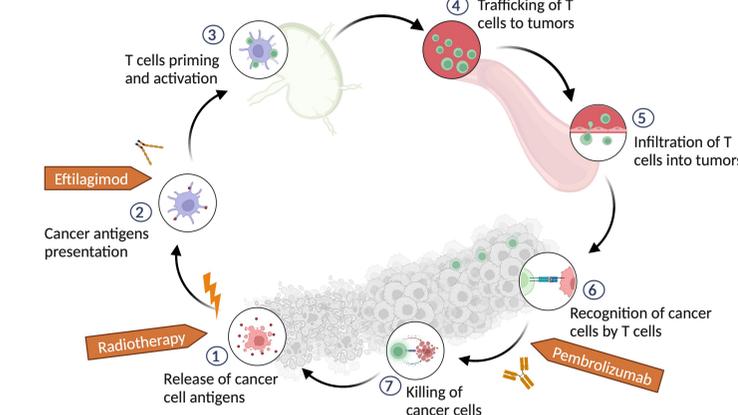


Fig. 3. Rationale for combining efitlagimod alpha, pembrolizumab and radiotherapy based on cancer-immune cycle.

TRIAL DESIGN

Key Inclusion Criteria

- ≥ 18 years of age
- ECOG 0 or 1
- Primary or locally recurrent deep-seated extremities, girdles and/or superficial trunk (thoracic or abdominal wall) tumor;
- One of the following histologies
 - undifferentiated pleomorphic sarcoma (UPS),
 - myxofibrosarcoma,
 - dedifferentiated liposarcoma (DDLPS),
 - myxoid and round cell liposarcoma (MRCLPS),
 - epithelioid sarcoma (ES)
 - angiosarcoma (AS),
 - soft tissue sarcoma NOS.
- Grade 2 or 3 tumors according FNCLCC;
- Size of the primary tumor >5 cm or locally recurrent of any size;
- Measurable disease based on RECIST 1.1;
- No previous systemic treatment for sarcoma;

Key Exclusion Criteria

- Distant metastases
- Previous treatment with efitlagimod alpha, anti-PD-1 or anti-PD-L1;
- Prior radiotherapy to tumor-involved sites;
- Subjects with active, known or suspected autoimmune disease or inflammatory bowel disease, which might impair the subject's tolerance of trial treatment.

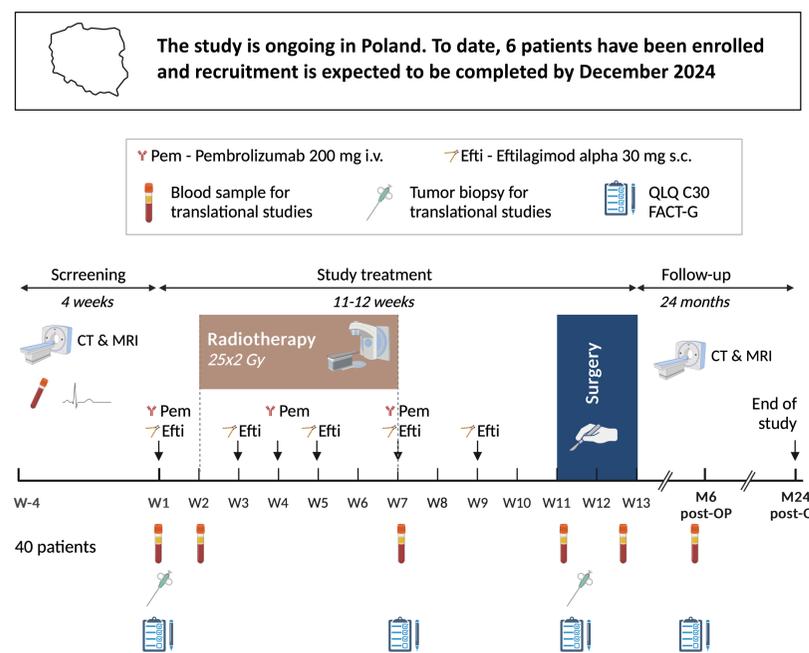


Fig. 4. EFTISARC-NEO trial design

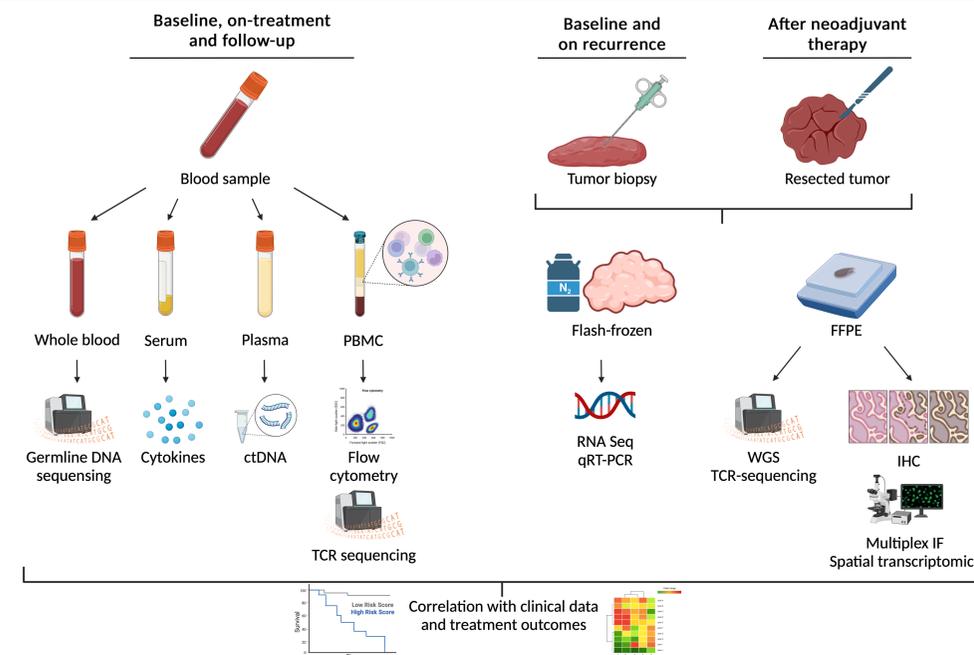


Fig. 5. Design of translation studies within EFTISARC-NEO trial.

STUDY ENDPOINTS

Primary:

- The primary efficacy endpoint is a percent tumor hyalinization as a marker of response to treatment assessed at the time of surgical resection.
H0 - 15% (based on Schaefer M. et al.), H1 - 35%

Secondary:

- Incidence of adverse events graded according to Common Terminology Criteria for Adverse Events (CTCAE) version 5.0
- Number of patients completing neoadjuvant treatment and having a curative surgery according to the protocol
- Disease-free survival time (DFS)
- Locoregional disease-free survival (LRFS)
- Distant metastasis-free survival (DMFS)
- Overall survival time (OS)
- Radiologic Response To Neoadjuvant Treatment using RECIST 1.1

Exploratory:

- To evaluate changes in the composition of tumor microenvironment, including immune infiltrates, before and after neoadjuvant treatment
- To evaluate correlations between changes of immune-related biomarkers in the tumor or blood with response to therapy and patients' survival
- To compare changes in tumor microenvironment caused by neoadjuvant radiotherapy and immunotherapy with pembrolizumab and efitlagimod with changes related to other modalities (radiotherapy alone, radiotherapy with chemotherapy in neoadjuvant settings, or immunotherapy +/- other agents in advanced settings).

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DISCLOSURES

Katarzyna Kozak: Speaker honoraria – BMS, MSD, Novartis, Pierre Fabre, Sanofi; advisory board - BMS, MSD; **Paweł Sobczuk:** speaker honoraria – BMS, Swixx Biopharma, Gilead; travel grants – BMS, MSD, Novartis, Pierre Fabre; advisory board – Sandoz; Stocks owner – Celon Pharma; Board member - Polish Society of Clinical Oncology; **Tomasz Świtaj:** Speaker honoraria – BMS, MSD, Novartis, Pierre Fabre, Sanofi; travel grants – BMS, MSD, Novartis, Pierre Fabre; **Paweł Teterycz:** Speaker honoraria – BMS, MSD, Novartis, Pierre Fabre; travel grants – BMS, MSD, Novartis, Pierre Fabre; **Aneta Borkowska and Sylwia Kopeć** declare no conflicts of interests; **Piotr Rutkowski:** Speaker honoraria – BMS, Merck, MSD, Novartis, Pierre Fabre, Sanofi; advisory board - Blueprint

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SCAN ME