German Hodgkin Study Group Deutsche Hodgkin Studiengruppe



PET based response evaluation according to Lugano classification: Where are we in daily practice?

Hodgkin Lymphoma

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- Are the Deauville criteria used?
- What about Deauville score 3 reproduceability
- Discrimination score 1 and 2
- Discrimination score 4 and 5
- End-of-treatment PET if interim PET negative?
- Impact of a positive End-of-treatment PET?

Are the Deauville criteria used?





Deauville score 3 - reproduceability



Scoring among five readers

Probability of concordance

Five cateogories: 0.422

D1 vs D2 vs D3 vs D4 vs D5

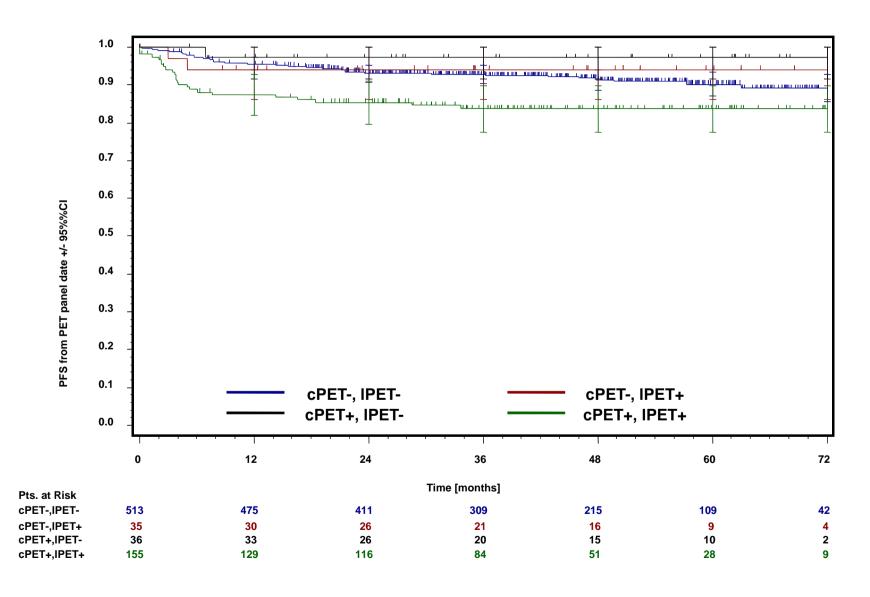
Three categories: 0.604

Two categories: 0.674

Two categories: 0.864

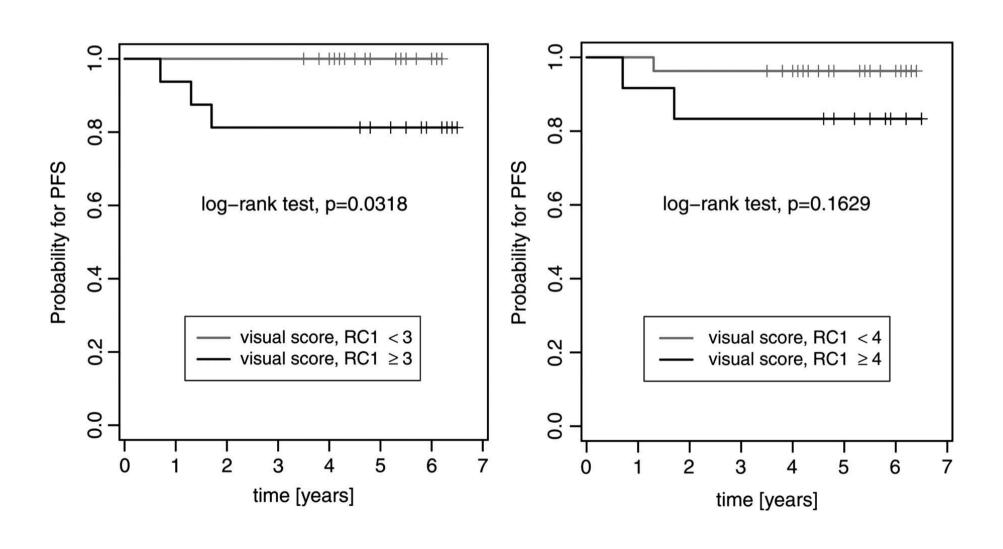
Deauville score 3 - reproduceability





Discrimination score 1 and 2





Discrimination score 1 and 2



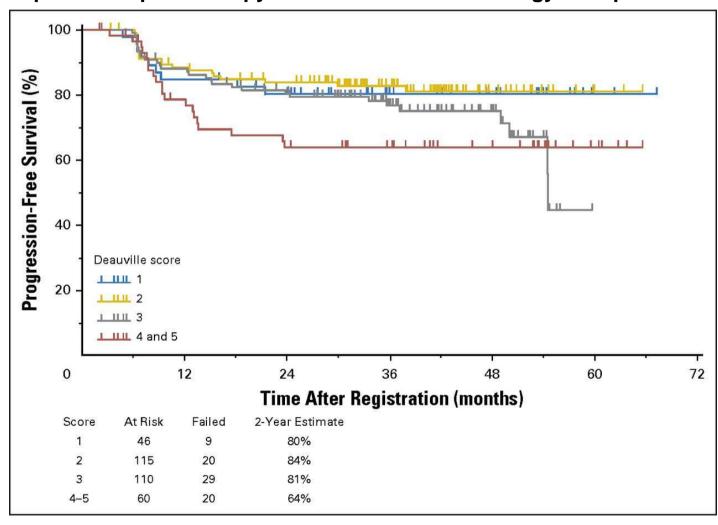
Criteria	Sensitivity (%)	Specificity (%)	Positive predictive value (%)	Negative predictive value (%)	Accuracy (%)
DC3 ^a	97	76	64	98	84
DC4 ^b	92	87	74	92	86

^aDeauville Criteria considering scores 3 – 5 as positive ^bDeauville Criteria considering scores 4 and 5 as positive

Discrimination score 4 and 5



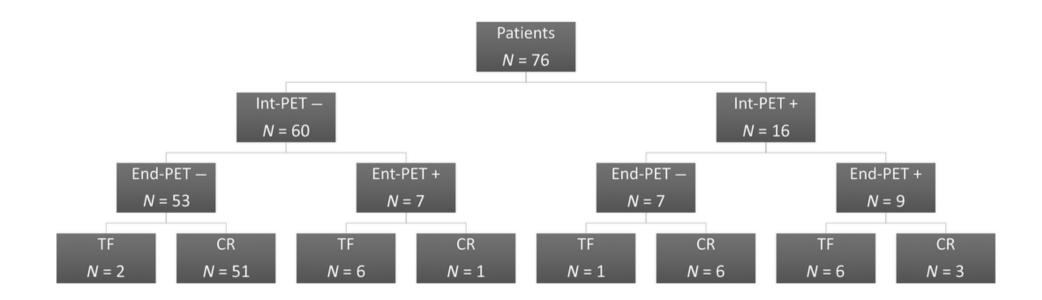
Progression-free survival of 331 evaluable patients with Hodgkin lymphoma treated with response-adapted therapy on the Southwest Oncology Group S0816 trial



End-of-treatment PET if interim PET negative?

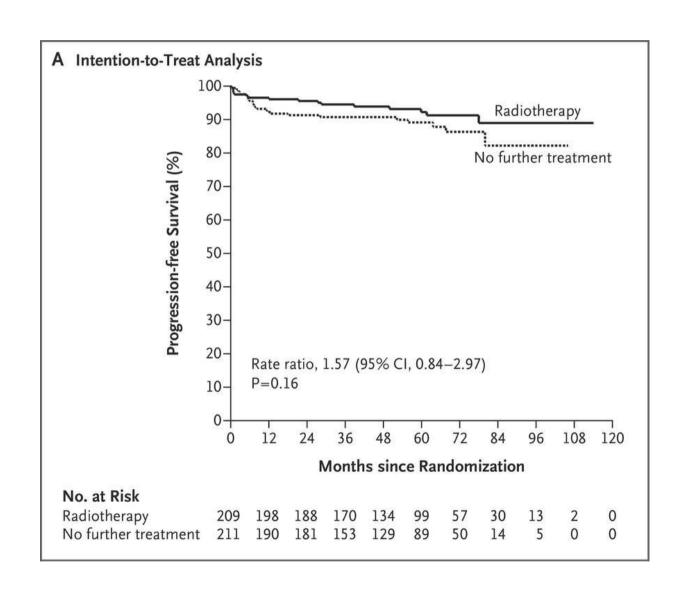


Hodgkin lymphoma: a negative interim-PET cannot circumvent the need for end-of-treatment-PET evaluation



Impact of a positive End-of-treatment PET?





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Thank you for your attention!