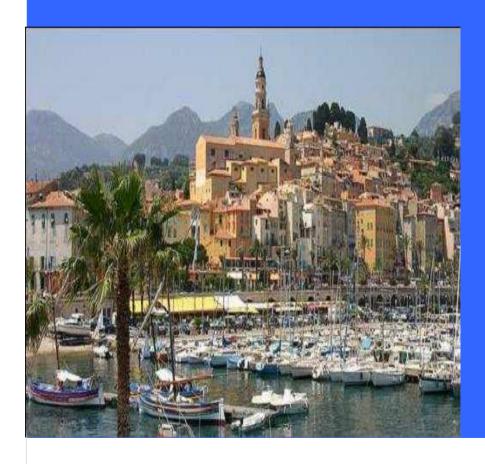
II international workshop on interim-PET in lymphoma

Menton (France), Palais de l'Europe, April 8-9th, 2010 Under the auspices of GELA, IIL, EORTC, SFMN



H10 trial (#20051)

Annibale Versari on behalf of EORTC/GELA/IIL













H10 trial (#20051)

EORTC/GELA/IIL RANDOMIZED
INTERGROUP TRIAL ON EARLY FDG-PET
SCAN GUIDED TREATMENT ADAPTATION
VERSUS STANDARD COMBINED
MODALITY TREATMENT IN PATIENTS
WITH STAGES I/II HODGKIN'S
LYMPHOMA







H10 (#20051): coordination

Study coordinators

J. Raemaekers, R. van der Maazen, E. Lugtenburg, T. Girinsky **EORTC**

M. Andre, O. Reman **GELA**

M. Federico, E. Brusamolino IIL

Central PET review

S. Stroobants, M. Hutchings **EORTC/IIL** M. Meignan **GELA**

Central statistician

C. Fortpied **EORTC**

Central data management

T. Raveloarivahy **EORTC**

A. Zarour GELA

M. Bellei, A. Dondi IIL





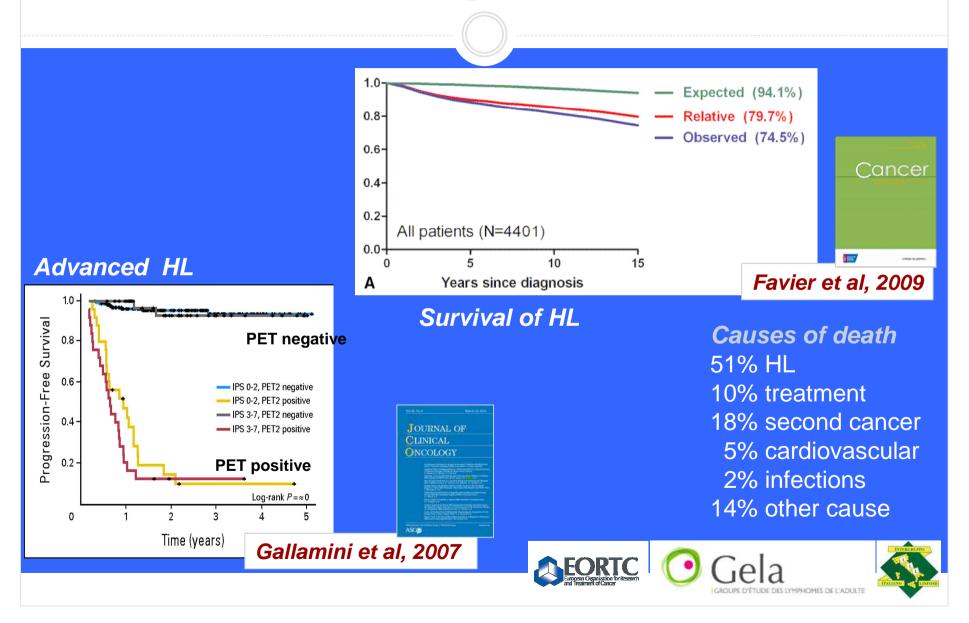








Background



H10 (#20051): **objectives**

Primary

* Is chemotherapy alone as effective -but less toxic- as combined modality treatment in patients with stage I/II HL who are FDG-PET scan negative after two cycles of ABVD?

Secondary

Does early change from ABVD to escalated BEACOPP improve the outcome of patients with stage I/II HL who are FDG-PET scan positive after two cycles of ABVD?





H10 (#20051): endpoints

• Main endpoint:

* The primary end-point for all objectives is **progression free survival**. Progression is defined as progressive disease during protocol treatment, or relapse of HL after previous complete remission/complete remission unconfirmed (CRu), partial remission (PR) or disease stabilization (no change, NC) at the end of protocol treatment.

Secondary endpoints:

- Event-free survival
- Overall survival
- Long-term toxicity in terms of: secondary malignancies, cardiovascular events, pulmonary events







H10 (#20051): eligibility

- Histologically confirmed Hodgkin's lymphoma, except for nodular lymphocyte predominant (NLPHL) subtype
- Supradiaphragmatic disease (infradiaphragmatic is excluded)
- Previously untreated
- Clinical stages I/II
- Age 15-70 years
- WHO performance o-3
- FDG-PET scan prospectively planned after two cycles of ABVD in all patients
- Informed consent







Favorable & Unfavorable (EORTC criteria)

Unfavorable

- CS II ≥4 nodal areas involved or
- Age ≥50 years or
- ESR ≥50 (no B symptoms) or
- ESR ≥30 (B symptoms present) or
- MT ratio ≥0.35

Favorable

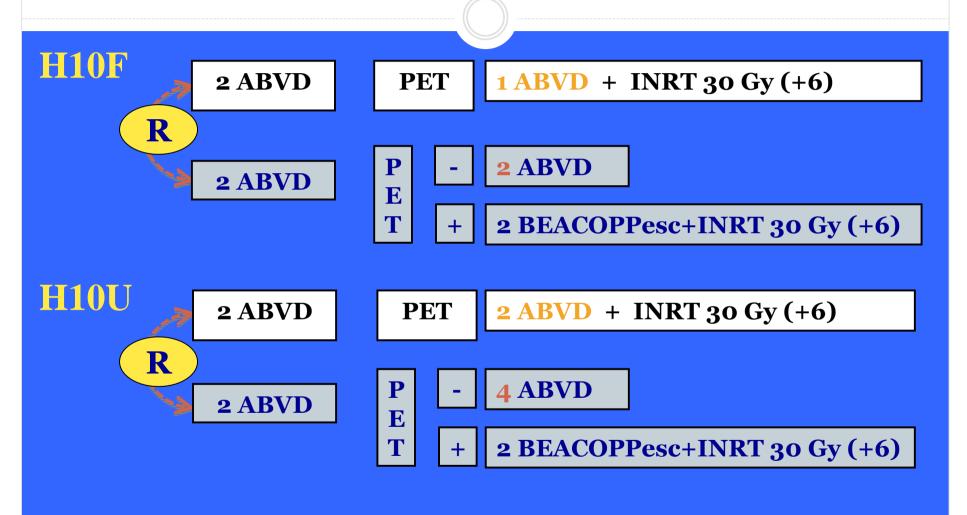
None of the above







H10 (#20051): study design



Hodgkin - CS I/II - untreated - 15-70 yrs - no NLPHL







H10 (#20051): sample size definition

Group	Favorable	Unfavorable
Standard 5-yrs PFS	95%	90%
Experimental 5-yrs PFS	>85%	>80%
Hazard ratio	3.2	2.1
Log rank	One-sided	One-sided
Alpha	0.025	0.025
Beta	0.2	0.2
# events required	26	63
Potential recruitment	135	160
# pts required (PET2 neg)	608	7 20
Interim analysis	1 (12 events)	1 (22 events)





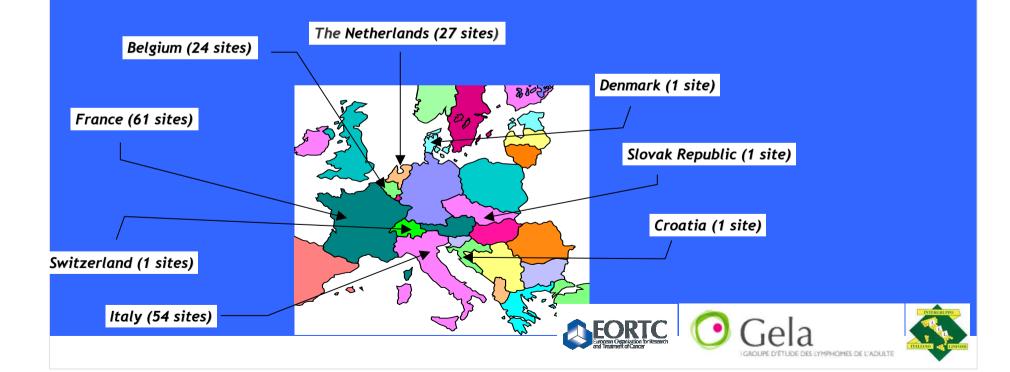


Active sites: March 2010

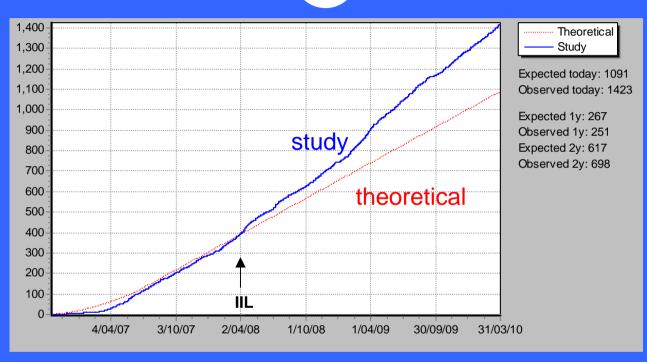
• EORTC 36 Recruiting: 35

GELA 80 Recruiting: 75

IIL 54 Recruiting: 44



Accrual (31/03/2010)



EORTC	GELA	IIL	Total
354 (25%)	837 (59%)	232 (16%)	1423
104 (19%)	300 (55%)	143 (26%)	54 7

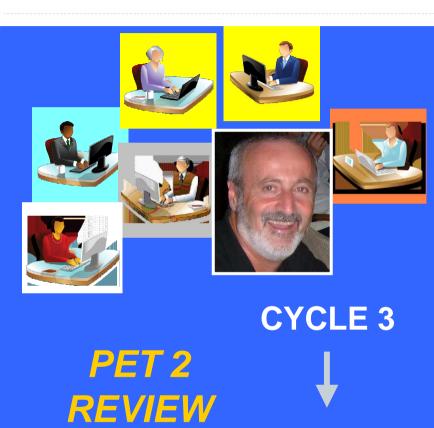
2009







FDG-PET: timing and review







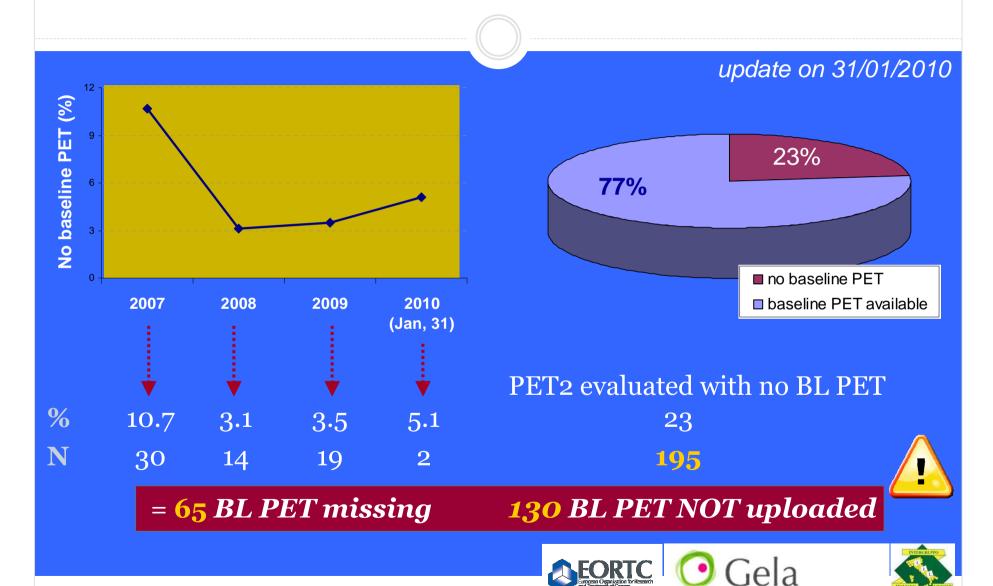








Baseline PET

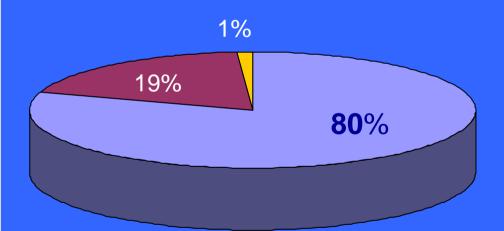


PET2 results (852 Pts)

interpretation according to



- PET2 neg
- PET2 pos
- □ PET2 uninterpretable



VOLUME 25 · NUMBER 5 · FEBRUARY 10 2007

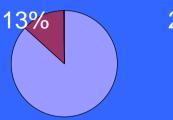
JOURNAL OF CLINICAL ONCOLOGY

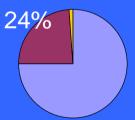
Use of Positron Emission Tomography for Response Assessment of Lymphoma: Consensus of the Imaging Subcommittee of International Harmonization Project in Lymphoma

Malik E. Juweid, Sigrid Stroobants, Otto S. Hoekstra, Felix M. Mottaghy, Markus Dietlein, Ali Guermazi, Gregory A. Wiseman, Lale Kostakoglu, Klemens Scheidhauer, Andreas Buck, Ralph Naumann, Karoline Spaepen, Rodney J. Hicks, Wolfgang A. Weber, Sven N. Reske, Markus Schwaiger, Lawrence H. Schwartz, Josee M. Zijlstra, Barry A. Siegel, and Bruce D. Cheson



Unfavorable





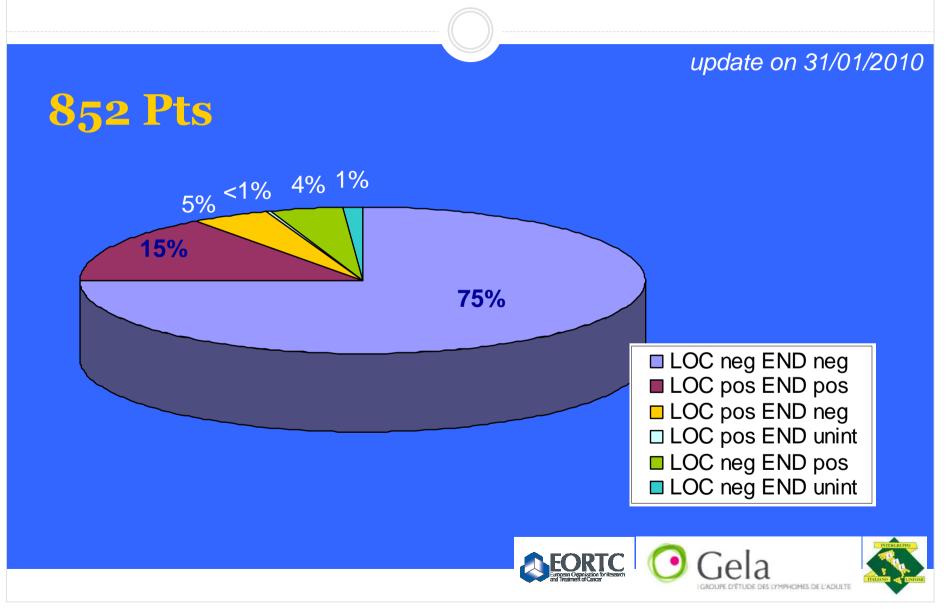
Total Pending Not done Done Reviewed
1330 66 11 1253 852 67%



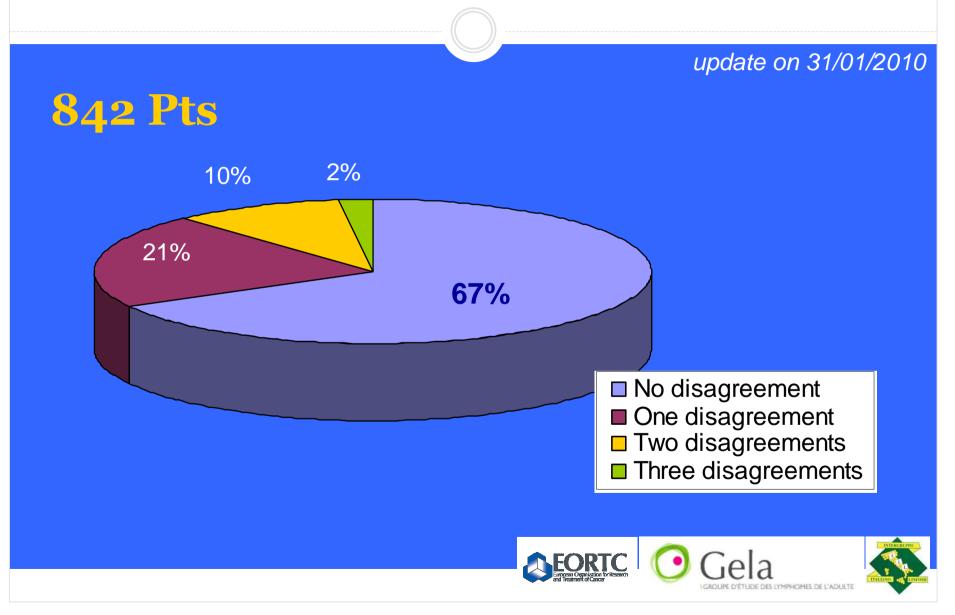




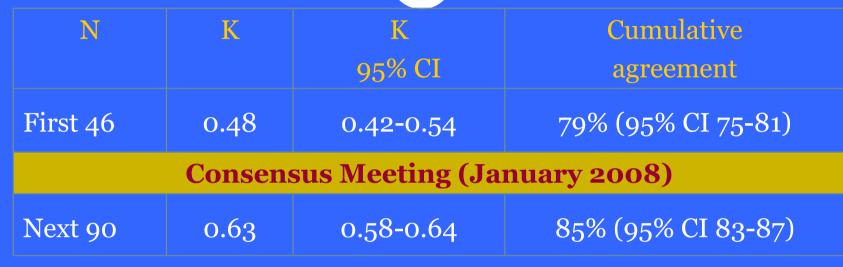
Agreement Local/Central result

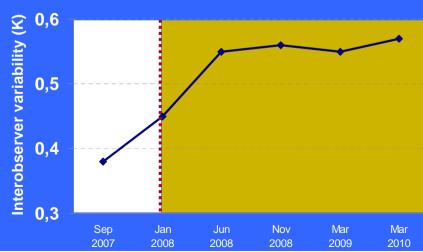


Agreement among the experts



Agreement among the experts: GELA experience (166 Pts)





K is better if the baseline PET is available



Meignan et al, 2009







Conclusions

• FDG-PET is feasible at baseline (95%) and after 2 ABVD (99%) in a large multicentric study

 Good agreement between experts and local nuclear physician

• We have to await the final analysis after completion of the study to answer the question whether early interim FDG-PET can be used to tailor treatment in stage I/II HL.







H10 (#20051): acknowledgments

























