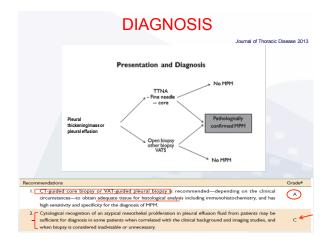
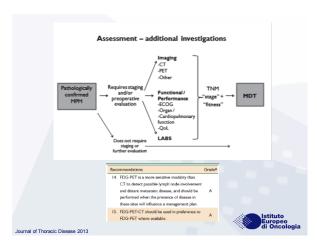


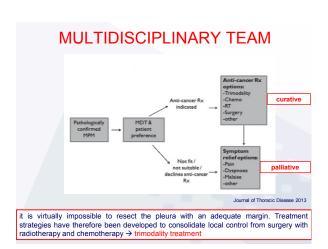
INTRODUCTION

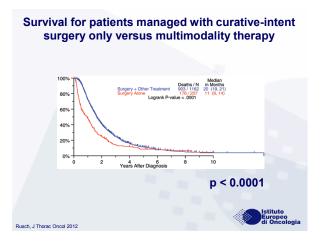
- Malignant mesothelioma is an aggressive tumor originating in the serosal membranes → More than 90% of reported mesothelioma cases occur in the pleura
- The current epidemic of malignant mesothelioma is closely associated with past occupational exposure to asbesto
- Malignant pleural mesothelioma (MPM) → median survival of 9 months after diagnosis
- MPM presents unique challenges with regard to diagnosis and treatment



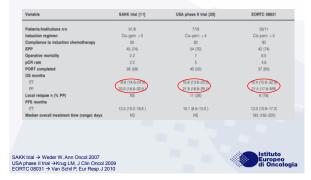








Prospective multicenter phase II trials of radical trimodality treatment in MPM - CT + EPP + RT -



PROGNOSTIC FACTORS

 TABLE 3.
 Cox Regression Model of Survival, Including Best Stage, Histology, Sex, and Age (n = 2107)

Variable	Hazard Ratio	P
II vs. I	1.16	0.1153
III vs. I	1.47	<.0001
III vs. II	1.27	0.0002
IV vs. I	1.86	<.0001
IV vs. III	1.26	0.0008
Other histology vs. epithelial	1.70	<.0001
Male vs. female	1.28	0.0002
Age, yrs		
50-45 vs. <50	1.23	0.0058
65+ vs. <50	1.31	0.0006
65+ vs. 50-64	1.07	0.2500
Palliative vs. curative surgery	1.71	<.0001
		Rusch

Overall tumor stage (p < 0.0001), tumor histology (p < 0.0001), patient sex (p = 0.0002) and age (p = 0.0025), and type of operation (curative versus palliative, p < 0.0001) had a statistically significant impact on survival.

J Thorac Oncol 2012





- ➤ VATS + pleurodesis/pleurectomy → palliative
- ➤ Pleurectomy/decortication → debulking/radical
- ➤ Extrapleural pneumonectomy → radical

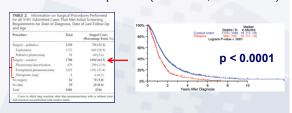


Initial Analysis of the International Association For the Study of Lung Cancer Mesothelioma Database

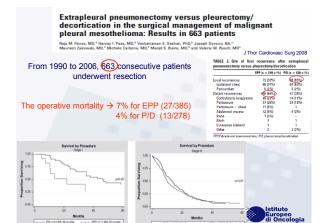
Valerie W. Rusch, M.D.* Dorothy Girwax, F. Catherine Kennecks; Eurico Ruffini, J. Ayton K. Cangil David Rice, F. Harvey, Pass. B. Hisson Assuma, ** David Bullete; +! John Edward, +! Bilder Wolder, Haus Hoffmann, §; Jan P. van Meerbeeck, []] on behalf of the IASLC Stuging Committee

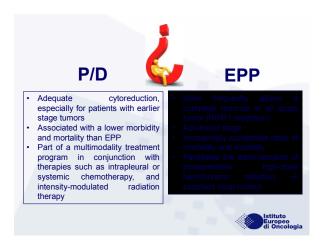
J Thorac Oncol 2012

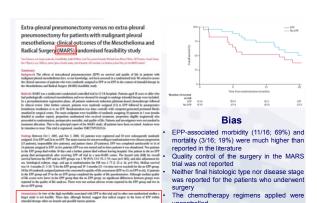
Data included 3101 patients (15 centers, 4 continents)



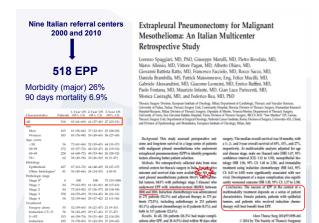
This is the largest international database examining outcomes in surgically managed MPM patients.

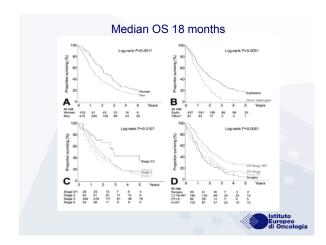






It was designed as a pilot feasibility trial to examine the potential benefits of EPP compared with chemotherapy alone \Rightarrow 55,4% did not proceed to random





Conclusions

- All patients with the diagnosis of MPM should be initially evaluated in a multidisciplinary setting, including medical oncology, radiation oncology, and surgery.
- Clinical staging (lymph node sampling, positron emission tomography, magnetic resonance imaging) should be performed before therapy.
- The histologic subtype should be identified by tissue biopsy before initiation of therapy.
- Surgical macroscopic complete resection and control of micrometastatic disease play a vital role in the multimodality therapy of MPM→ trimodality treatment
- The type of surgery (EPP or P/D) depends on clinical factors and on individual surgical judgment and expertise

 | Stituto | Stripe |

