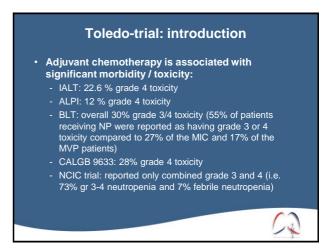


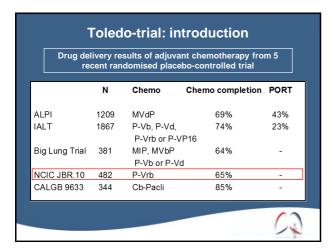
### **Toledo-trial: introduction**

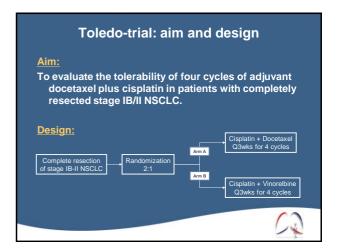
- · Antwerps Kanker Register 2000:
  - 989 new cases of lung cancer in the province of Antwerp.
  - 83% were histologically of NSCLC type.
  - About one quarter (27%) of the NSCLCs were resected.
  - →≥ 200 resections for NSCLC / year in the province of Antwerp.
- Long-term survival for resected NSCLC remains disappointing:
  - 5-year survival rates range from 73% for pathologic stage IA disease to 39% for pathologic pathologic stage IIB disease.
  - Micrometastatic cancer cells are present in bone marrow of >30% of patients with operable NSCLC.
  - The majority of relapses occur at distant sites



### **Toledo-trial: introduction** Survival results of adjuvant chemotherapy from 5 recent randomised placebo-controlled trial N Stage #cycl OS 5-yr HR p value ALPI 1209 I-IIIA + 3% 3 .96 0.6 BLT 381 1-111 3 +0-1% 1 1 IALT 1867 I-IIIA + 4% .86 < 0.03 3-4 **JBR.10** + 15% 0.012 482 IB-II 4 .69 **CALGB** 344 ΙB 4 + 12%\* .62 0.028 Furthermore, systematic reviews and meta-analysis confirm that adjuvant chemotherapy is associated with improved survival compared with surgical intervention alon ea. J Thorac Cardiovasc Surg 2004, 128: 414-419







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## **Toledo-trial: endpoints**

### Primary endpoints:

- Success of delivery treatment (To be considered as a "success" a patient should have received at least 3 cycles of chemotherapy, and have a relative dose intensity of 80% or above)
- Toxicity (Occurrence of any grade 4 non-haematological toxicity)

### Secondary endpoints:

- 1. Overall toxicity
- 2. Progression free survival and overall survival



### Toledo-trial: inclusion criteria

- Completely resected (R0\*) pathological stage IB or II NSCLC
- 2. The first cycle of chemotherapy should be started within 60 days of resection
- 3. KS 70-100 (see appendix II)
- 4. Age: 18 75 year
- 5. Weight loss < 10% over previous 6 months
- 6. Adequate haematological function:
  - ANC > 1.5x 109/L
  - Platelets > 100x 109/L
  - Hgb > 10 g/dl

\*R0 resection: a resection is considered a complete resection if microscopic examination shows a radical resection of the primary tumor with tumor-free resction margins and if the highest prelevated mediastinal tymoh node is tumor free



### Toledo-trial: inclusion criteria

- 7. Adequate renal and liver function:
  - Creatinine ≤ 1.5 mg/dL, or calculated creatinine clearance ≥ 60 ml/min (see appendix III for calc. creat. clearance)
  - Total bilirubin ≤ ULN
  - Alkaline phosphatase ≤ 5.0x ULN
  - AST/ALT ≤ 2.0x ULN
  - Serum calcium ≤ 1.1x ULN
- 8. Signed informed consent prior to beginning protocol specific procedures.
- Women of childbearing potential must be nonpregnant, non-lactating and use adequate contraception during study treatment.



### Toledo-trial: exclusion criteria

- 1. Previous chemo- or radiotherapy for NSCLC
- Bronchoalveolar cell subtype (ie those cases which show no stromal, pleural, or lymphatic invasion according to the WHO classification of 1999).
- Second active primary malignancy (except basocellular CA of the skin, adequately treated CA in situ of the cervix, low-grade prostate cancer or other cancer from which the patient has been disease free for at least five years)
- 4. Serious concomitant medical disease (i.e. active infection, preexisting neuropathy, AMI less than 6 months old), immunosuppression or psychiatric disease that, in the opinion of the investigator, would compromise the safety of the patient or compromise the patient's ability to complete the study.
- 5. Pregnant or breast-feeding females.
- 6. Difficulties with adequate follow-up



# Toledo-trial: randomization procedure

- Patients will be randomized on a 2:1 basis, with stratification according to clinical stage: IB versus II (using two computer-generated randomization lists).
   Centralized randomization was used to conceal the allocation sequence to the investigator at time of enrolment.
- The Registration/Randomization center will inform the investigator of the treatment sequence: arm A or arm B.
   The study treatment had to start within 7 days from randomization and within 60 days of resection.
- The study was not blinded. Commercially available products were used.



# **Toledo-trial: treatment administration**

### Arm A

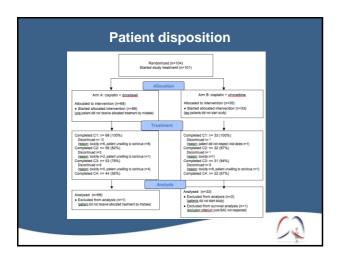
cisplatin 75 mg/m2 on day 1 and docetaxel 75 mg/m2 on day 1 of each cycle

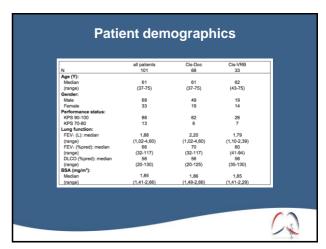
### Arm E

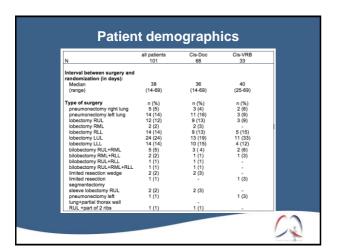
cisplatin 80 mg/m2 on day 1 and vinorelbine 25 mg/m2 on day 1 and 8 of each cycle

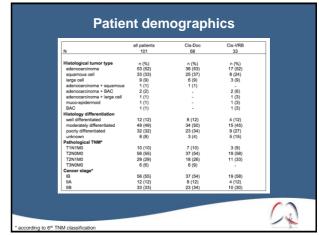
- A cycle is defined as an interval of 21 days
- All patients will be treated with 4 cycles of adjuvant chemotherapy, unless there is the occurrence of unacceptable toxicity or early progression.

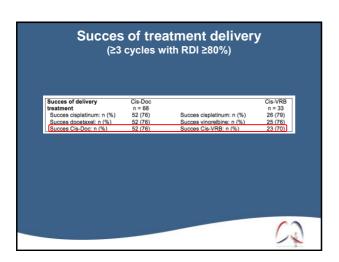


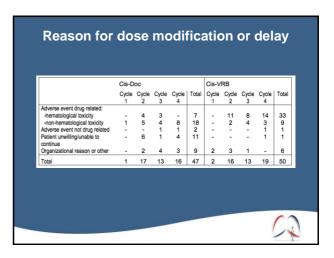


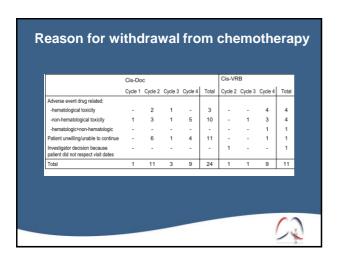


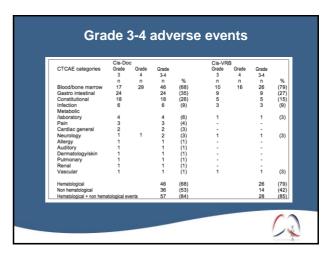


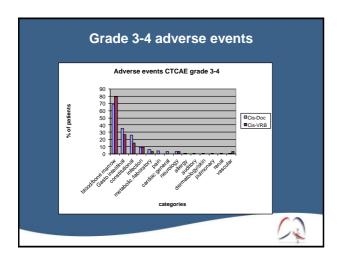


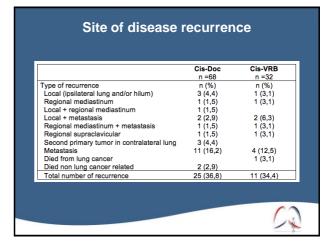


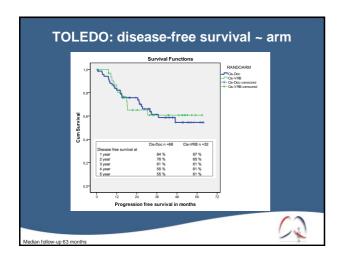


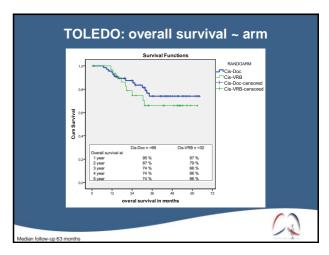


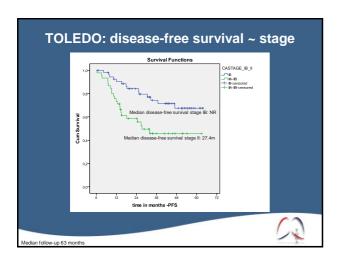


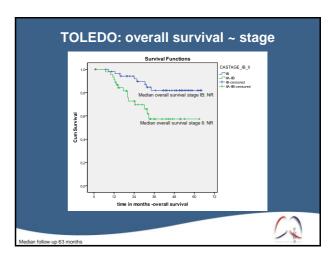












# TOLEDO trial: conclusions Adjuvant treatment with 3 week schedule Pt-TXT is: - feasible, tolerable - 1st endpoints reached: 76% delivery success 3 W schedule Adjuvant treatment PT- NVB shows - A better tolerability than a historical 4 w schedule - A 70% delivery success Data robust enough to propose a Random PhIII study based on DFS and Survival

