

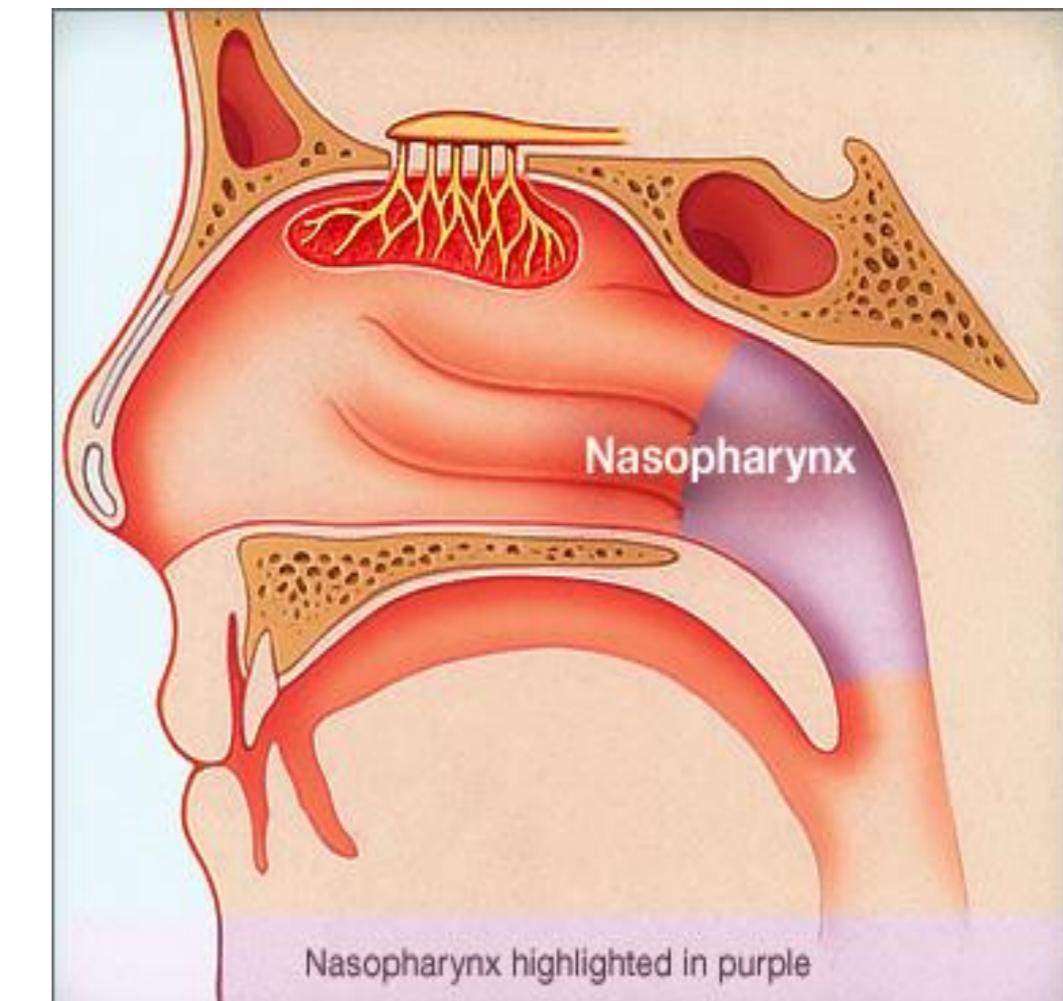


# A PILOT, PHASE IB FEASIBILITY STUDY OF ARGX-110 IN PATIENTS WITH NASOPHARYNGEAL CARCINOMA (NPC).

Prof. Dr. Sylvie Rottey – XX May 2017

# NPC- Definition

Nasopharyngeal carcinoma (NPC) is a cancer that occurs in the nasopharynx, which is located behind the nose and above the back of the throat.



# NPC - Epidemiology

- 0.5 – 2 new cases/100 000 people (Europe + VS)
- male > female
- linked with Epstein Barr Virus ( EBV) - **% pos?**

# NPC - Treatment

Highly radiosensitive

Highly chemosensitive

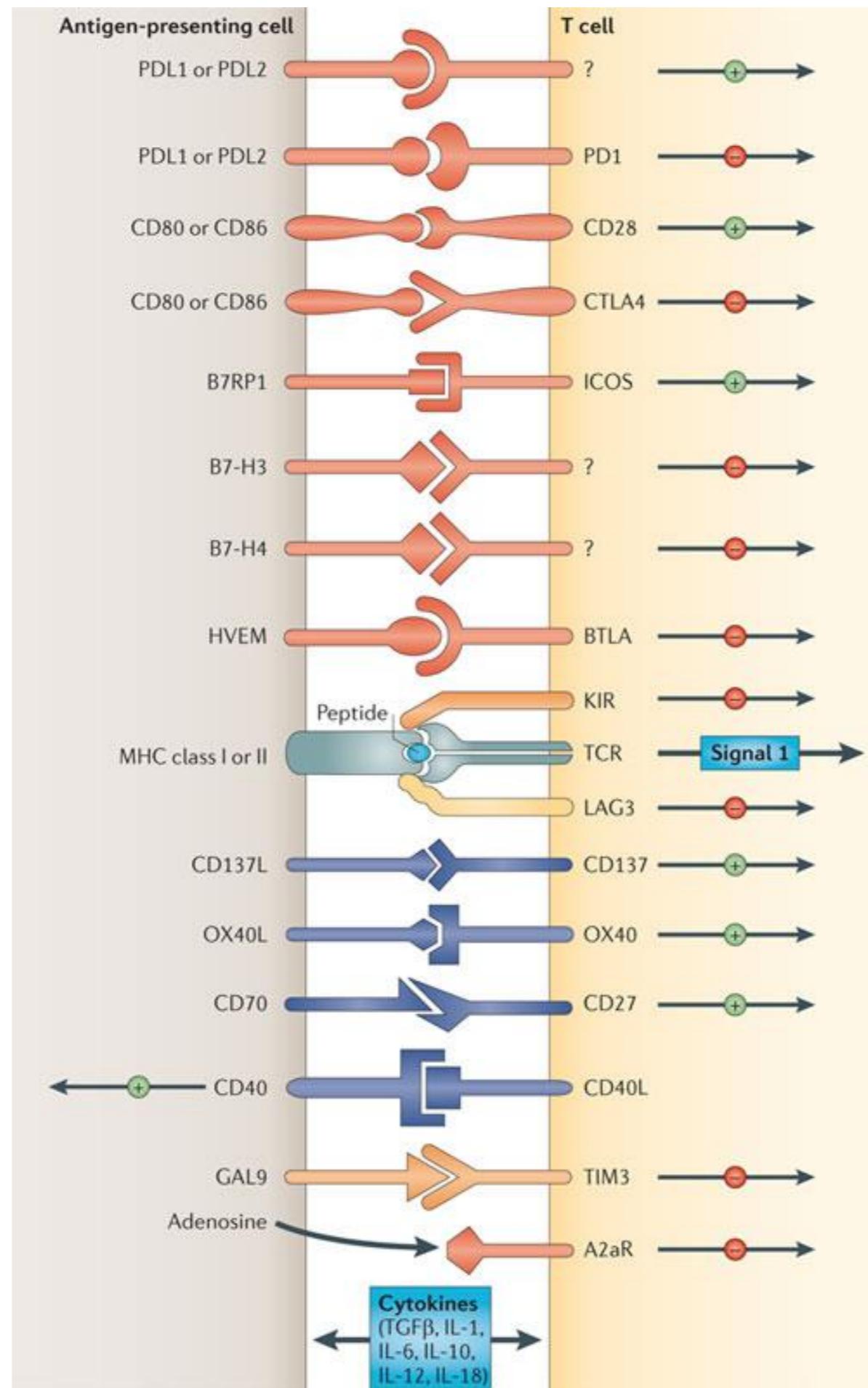
=> platinum based chemoRT = golden standard  
(stage III/IV)

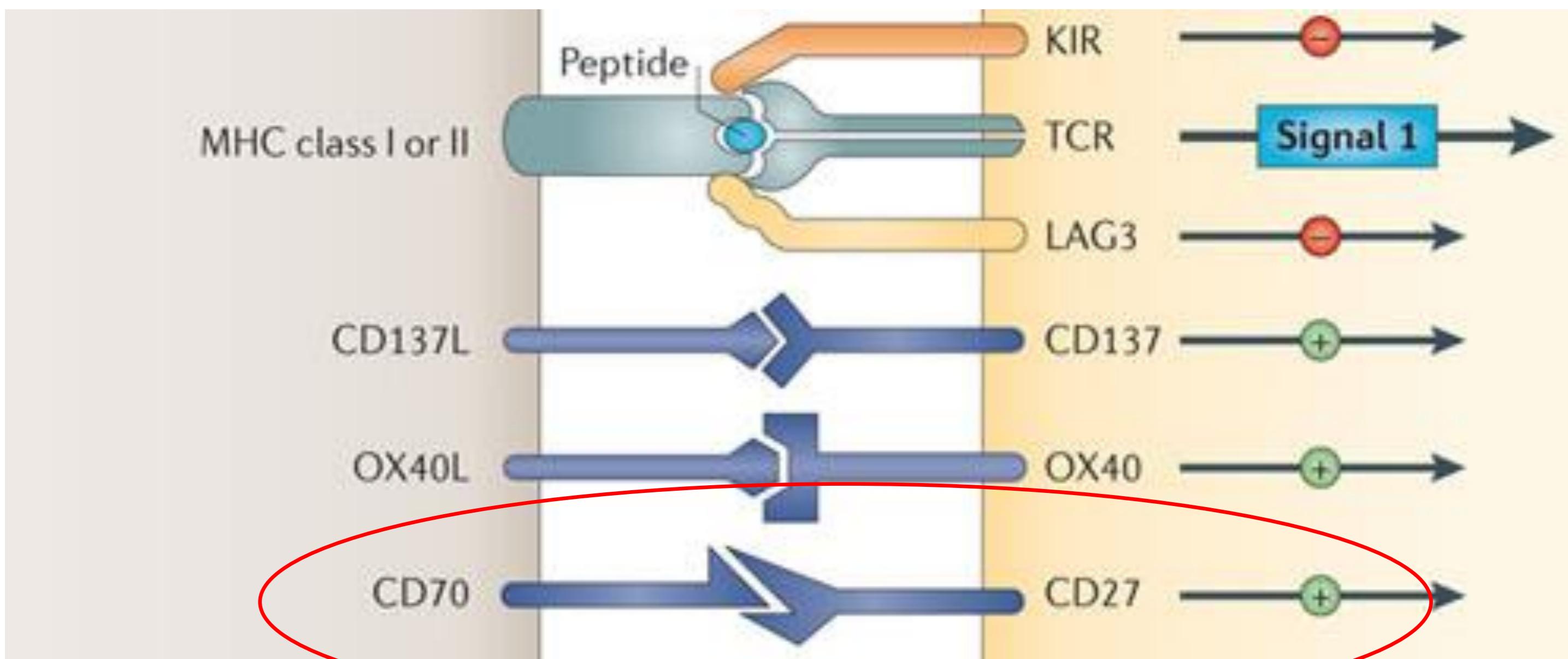
=> platinum based chemotherapy is = golden  
standard for metastatic disease

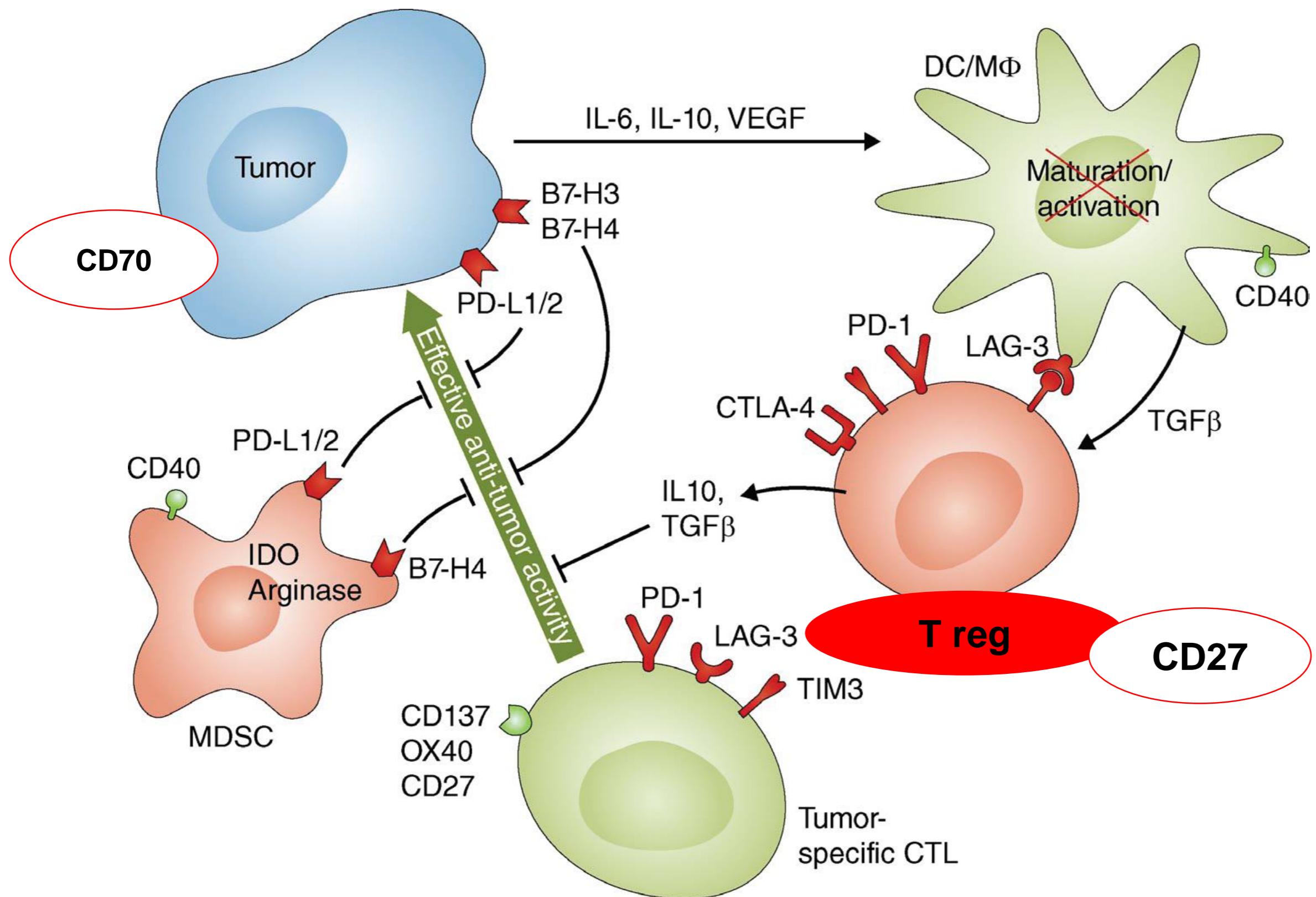
# NPC - Outcome

For **metastatic NPC**, median survival is only 12-20 months  
=> Need for new therapies (e.g. targeted agents)

# Adaptive Immune response







ARGX-110: monoclonal anti-CD70 antibody **op de vorige slide in de tekening bij te zetten ipv deze slide ?**

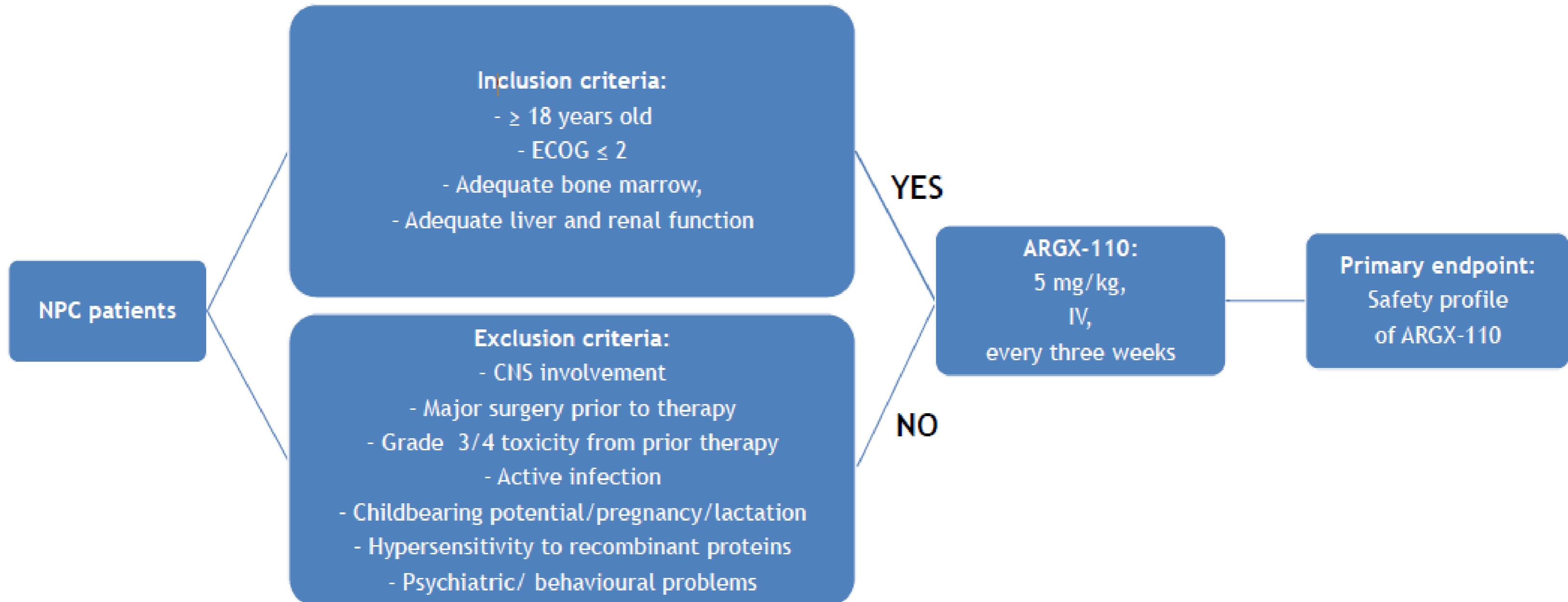
## anti-CD70 mAb

↓ number of T regs



direct cytotoxic effect





# Results

- n= eleven patients (nine male, two female) were enrolled in our center since February 2015.
- median age of 47 years (range 23-76)
- All patients were diagnosed with stage III (n=2) or stage IV (n=9) NPC.

# Results

- median number of cycles administered was three (range 1 to 18).
- Administration of ARGX-110 was well tolerated. One patient was hospitalized because of infection for which treatment was delayed for three weeks. Two other patients developed an infusion reaction (grade 1-2).

# Conclusion

- administration of ARGX-110, 5mg/kg IV every three weeks, is feasible in patients with NPC. Results on PFS and OS overall survival will be reported after completion of the trial.
- the exploration of predictive biomarkers is ongoing **(kun je er enkele oplijsten?)**

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