



Labor Dr. med. Ulrich Pachmann Kurpromenade 2 95448 Bayreuth

Bayreuth, 16.12.2014

Dr. XXXX

Your patient: XXXX
 Born: **25.12.1951**

Your request from: 08.12.2014
 Our Lab number: T421483
 initial findings: T420674

Report on diagnostic findings on Circulating Tumor Cells (MAINTRAC)

Dear Dr. XXXX,

Many thanks for sending your examination request regarding the detection of circulating tumor cells in your patient XXXX.
 Diagnosis: Renal cell carcinoma. Surgery planned for 01/15. Current therapy since 01.09.2014: IVC. Follow up.

The laserscanning-microfluorimetry of the **epithelial cell antigen (HEA)**-positive cells with visual control (MAINTRAC) from **1 ml EDTA blood** resulted in following findings (detection limit is at 10 cells/ml):

Examination parameter	Number of potential tumor cells			Cell fragments
	In the sample	In circulation (5l) (in millions)	In addit. examination: % of HEA-pos. cells	
HEA	0	0		no

The material you sent for examination could be thoroughly evaluated.
 After finding only a slightly increased number of vital tumor cells circulating in the blood in September 2014, to date there is **no** indication for vital tumor cells above detection limit circulating in blood.

Cytomorphologically there was **no** indication for specific cell fragments.

Over a period of 3 months and under current therapy we can see a decrease in cell numbers, respectively no vital tumor cells above detection limit.

You now have a **benchmark**, from which can be determined if and how the number of these cells changes in response to therapy.

With best regards,
 Dr. med. Ulrich Pachmann

PD Dr. med. Katharina Pachmann