



Klinikum Fulda

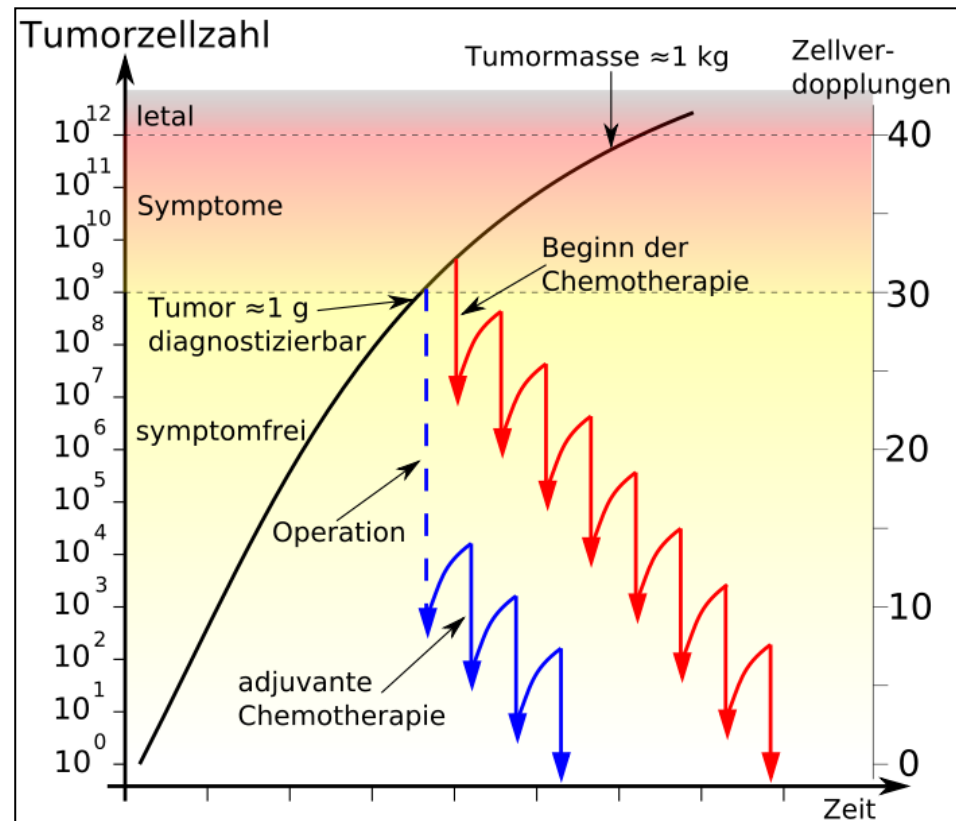
Gastrointestinale Krebserkrankungen,

Medizinische Onkologie

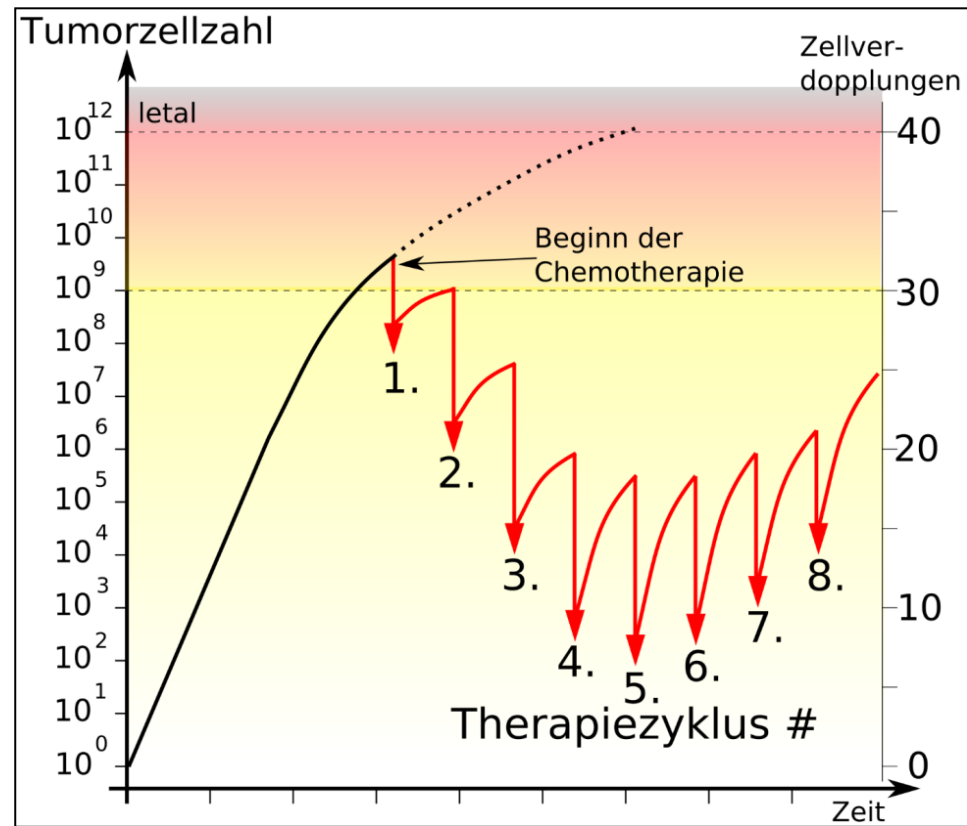
26.10.2019



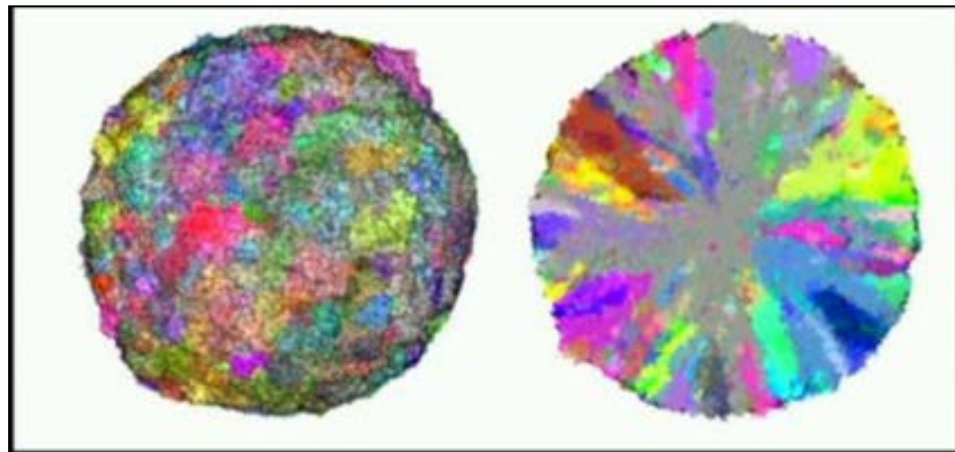
Wie funktioniert mathematisch/theoretisch die Chemotherapie?



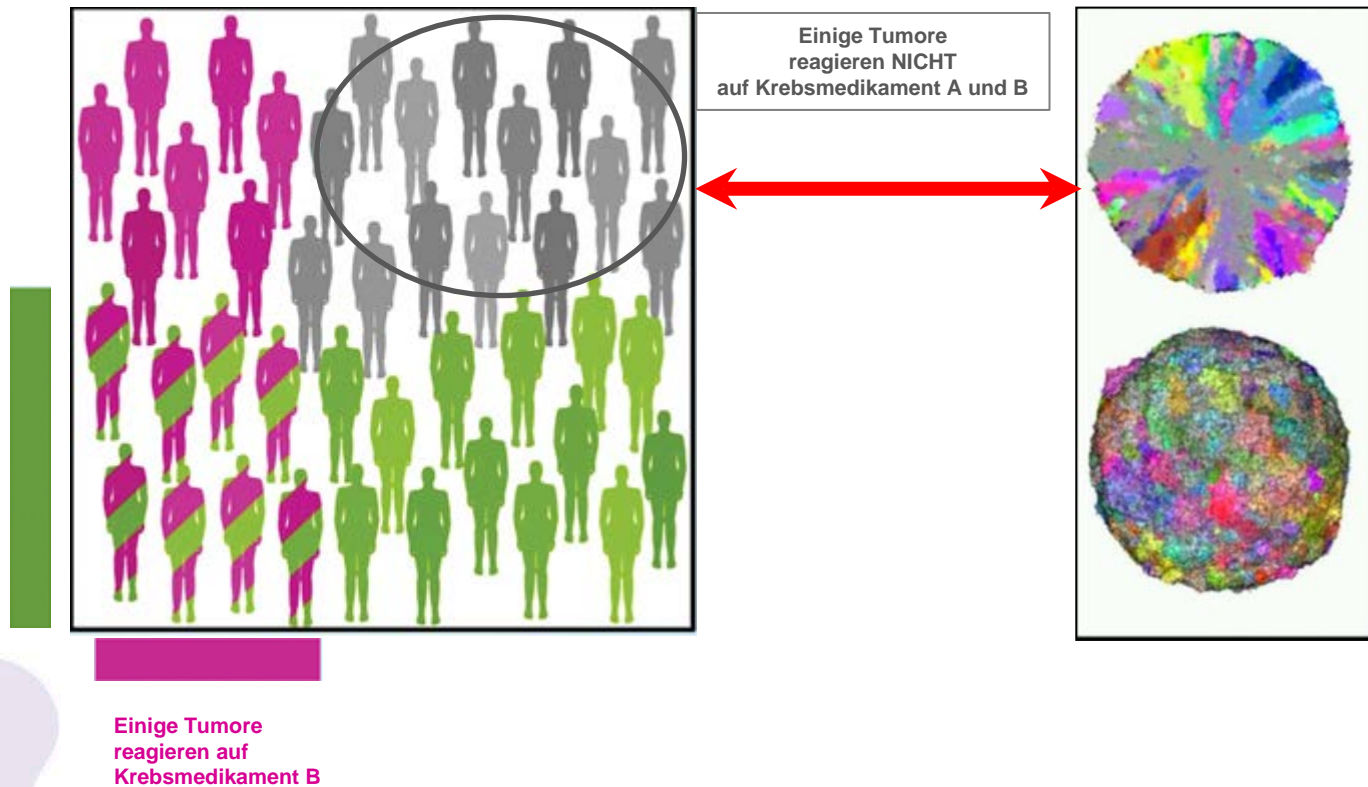
Der tatsächliche Verlauf einer palliativen Chemotherapie



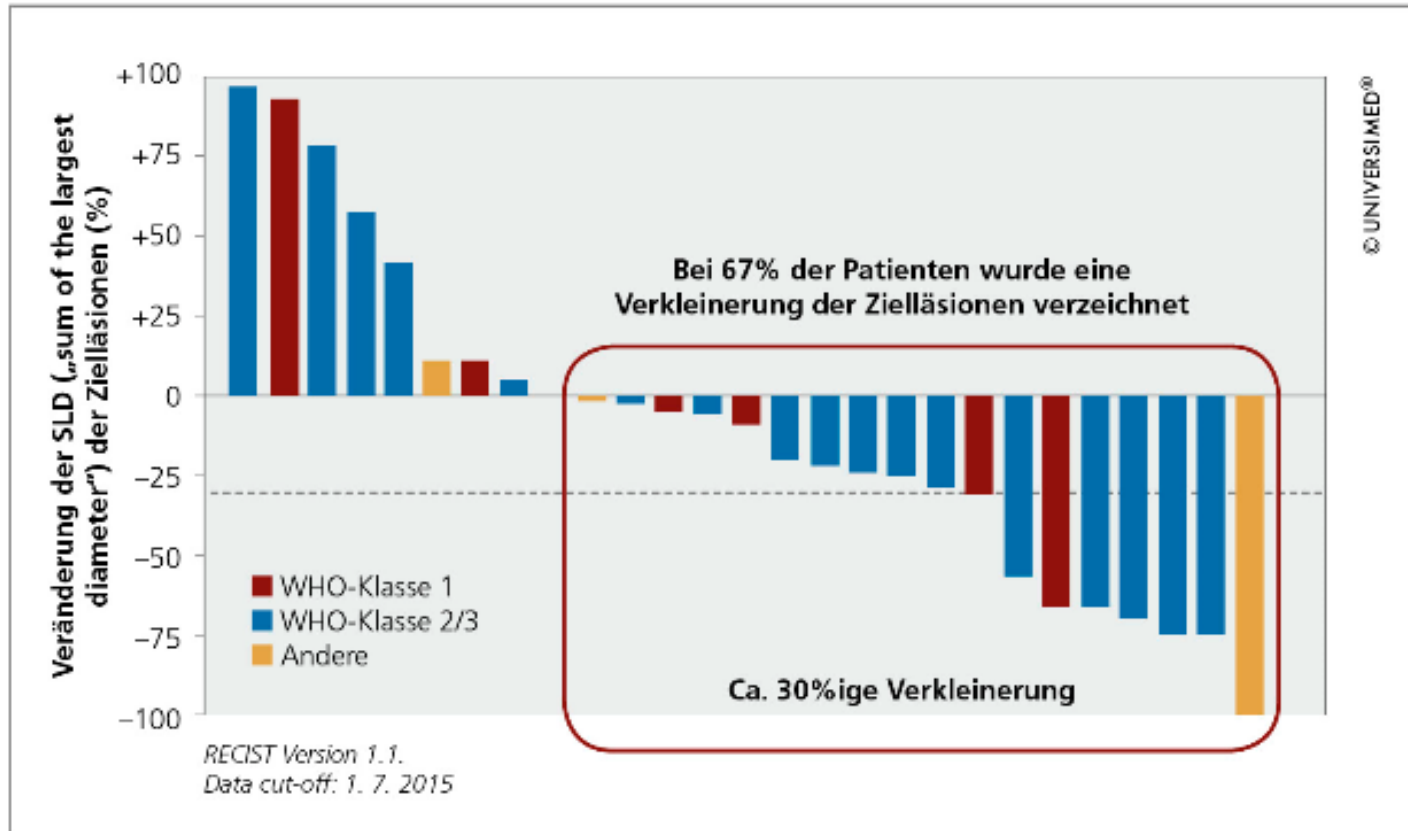
Jeder Krebs besitzt
von Anfang an,
schon **VOR** jeder Therapie,
viele **chemotherapie-resistente**
Krebszellen !



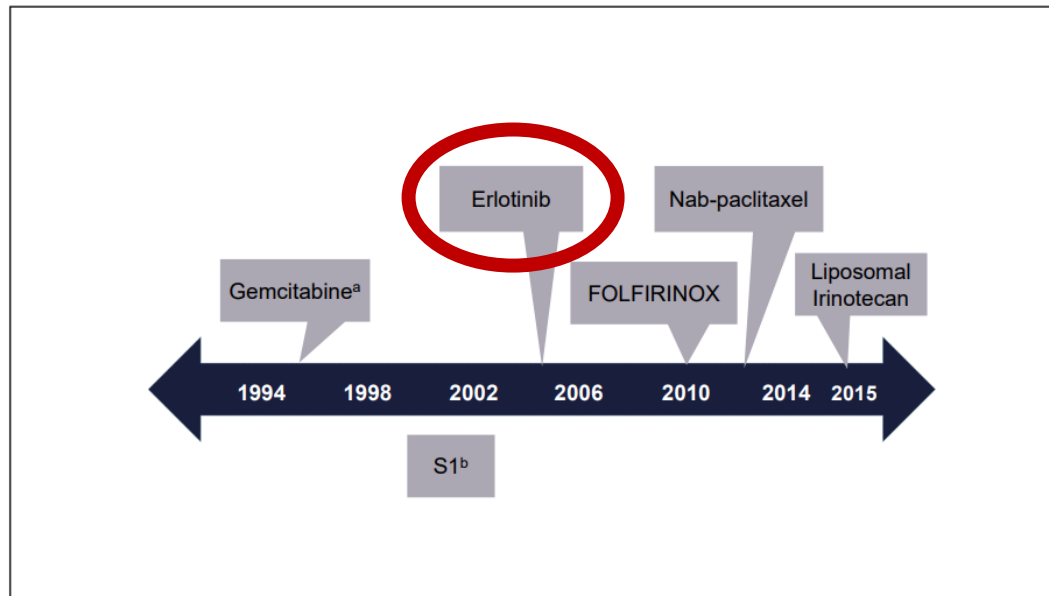
Patienten mit gleichem Primärtumor,
sprechen unterschiedlich gut auf das gleiche Chemotherapieprotokoll an



„Waterfall Plot“

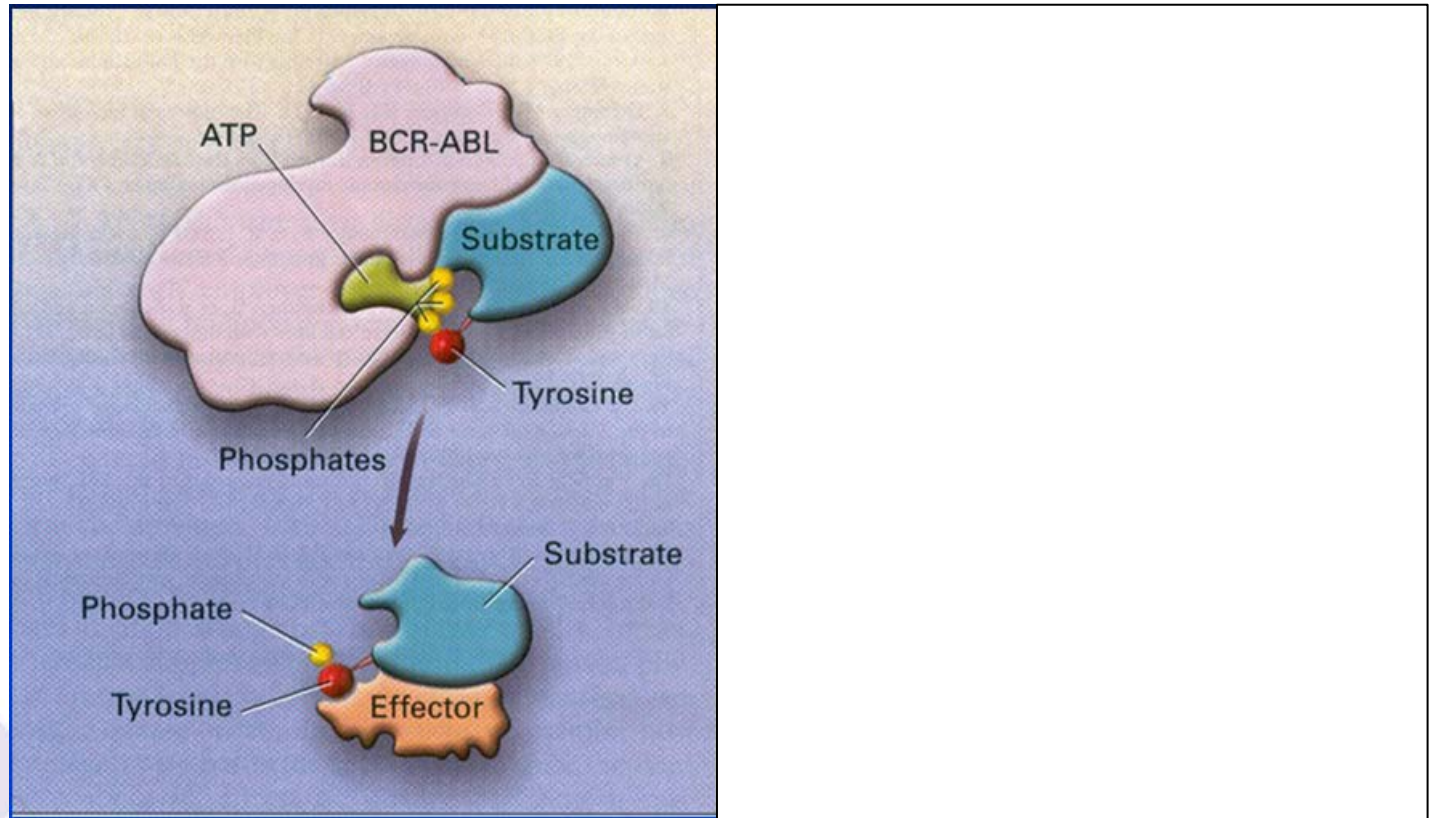


Pankreaskrebs

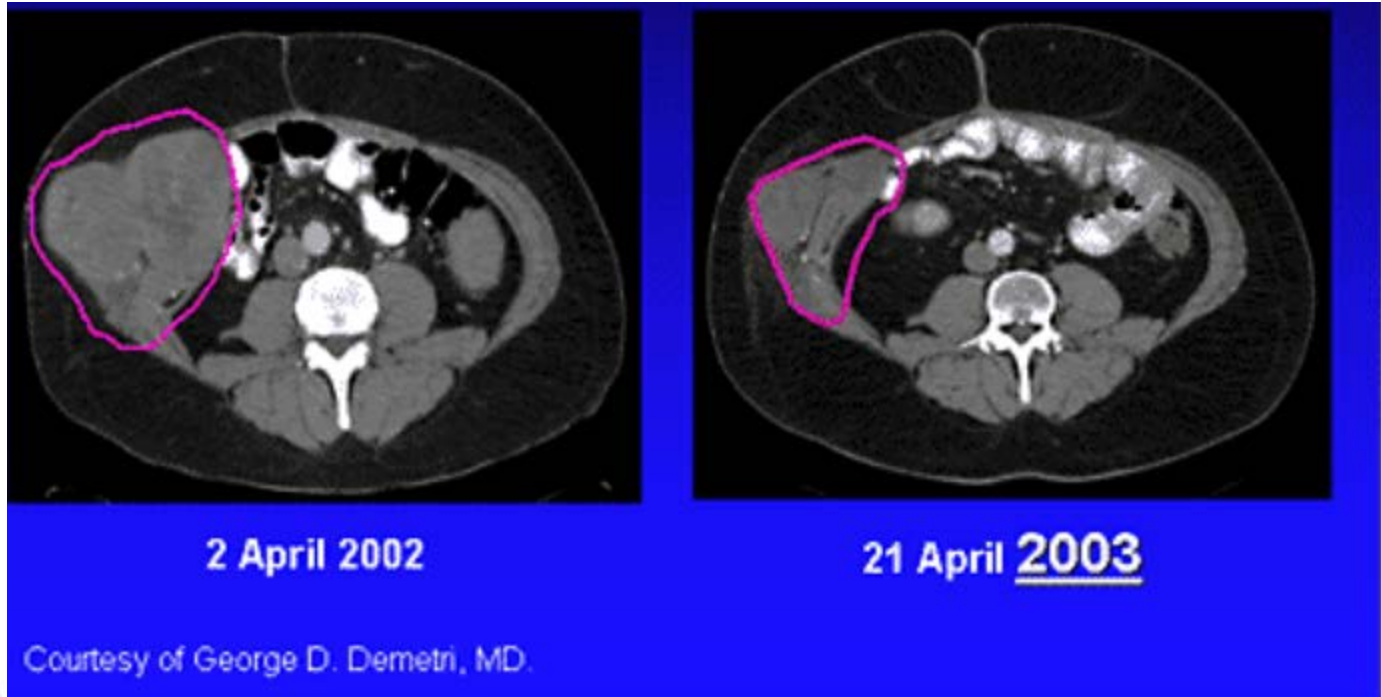


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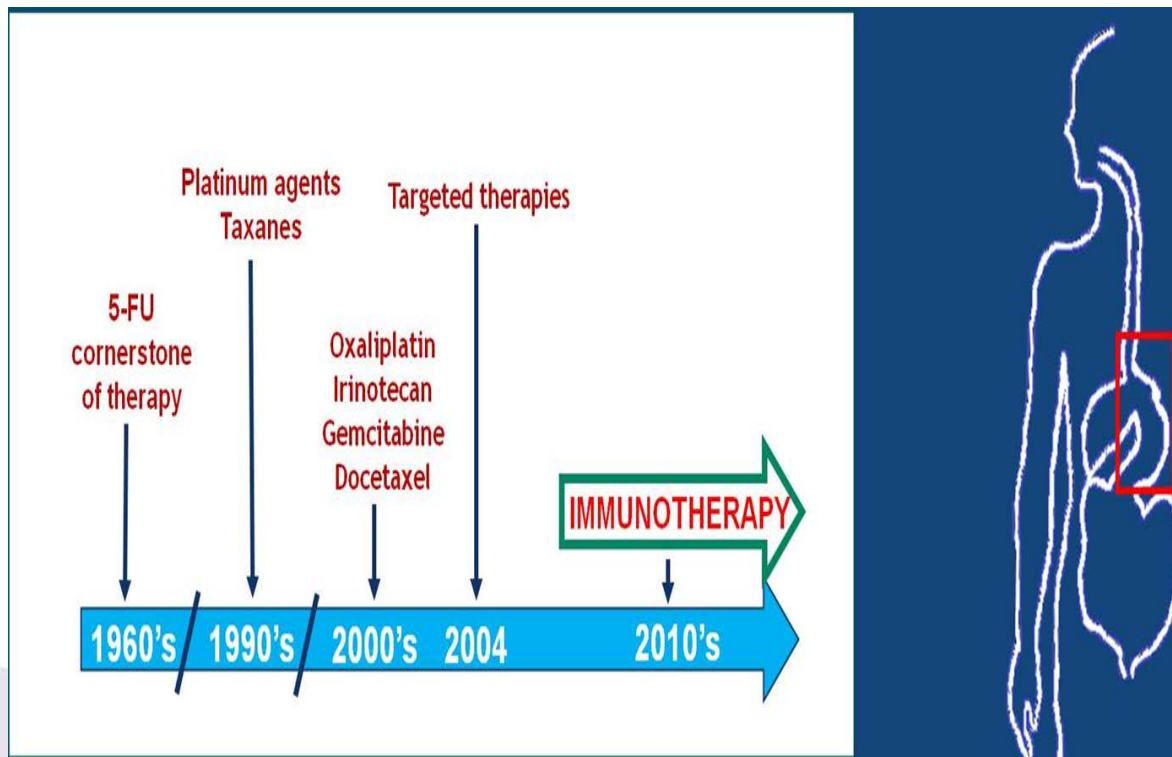
„Zielgerichtete (targeted) Therapie“



Gastrointestinaler Stromatumor (GIST)

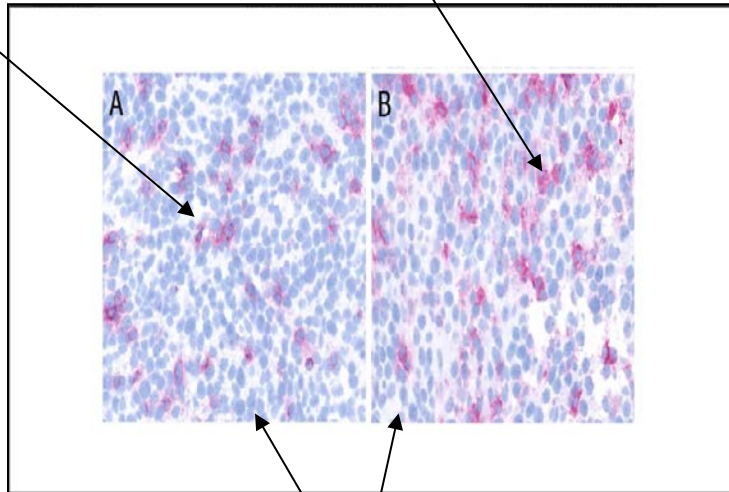


Magenkrebs

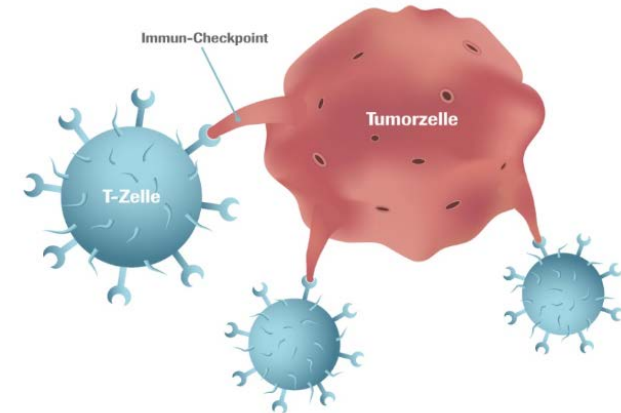


CD8 pos. T-Zellen

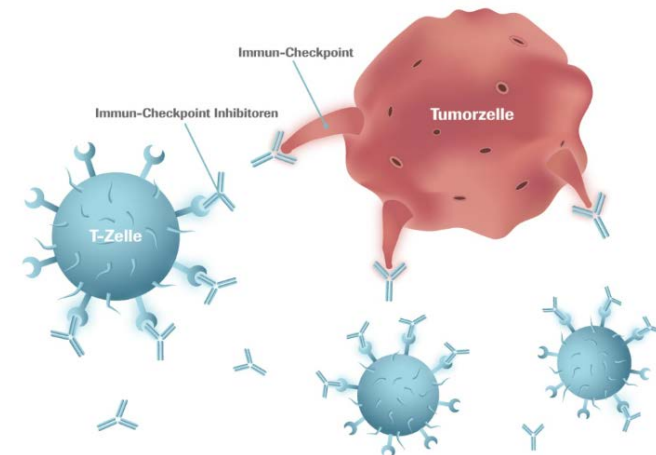
CD4 pos. T-Zellen



Tumorzellen (blau)



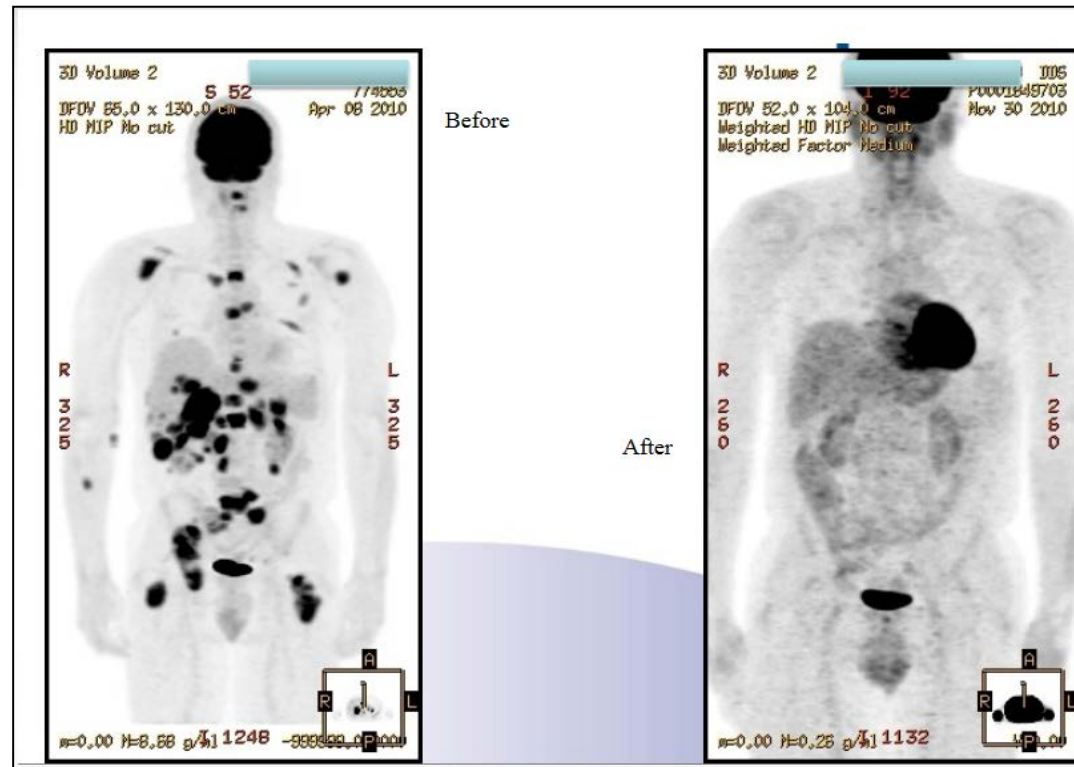
Tumorzellen aktivieren Immun-Checkpoints um Angriffe des Immunsystems zu abzuwehren.



Immun-Checkpoint-Inhibitoren hebeln die Wirkung von Immun-Checkpoints aus und das Tumorwachstum kann eingedämmt werden.

VOR Immuntherapie

NACH Immuntherapie



Vielen Dank!

Klinikum Fulda / Tumorklinik

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