

Cases- sequencing of immune and targeted therapy

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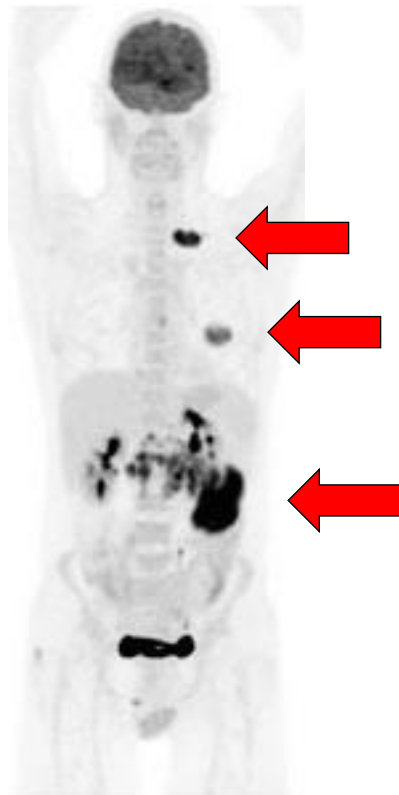
University of Melbourne

Immunotherapy after targeted therapy

- **2002** 43 yo male 0.67mm thick melanoma with regression on his back (<1 mitoses/mm², no ulc)
- WT BRAF
- **2010** 0.6mm thick melanoma with regression on his back (0 mitoses/mm², no ulc)
- BRAF V600E

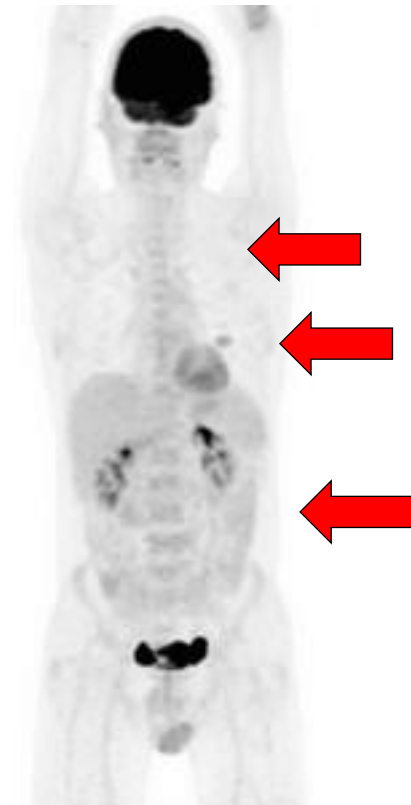
- **2012** nausea diagnosed with gastric metastases from melanoma
- BRAF V600E

Immunotherapy after targeted therapy



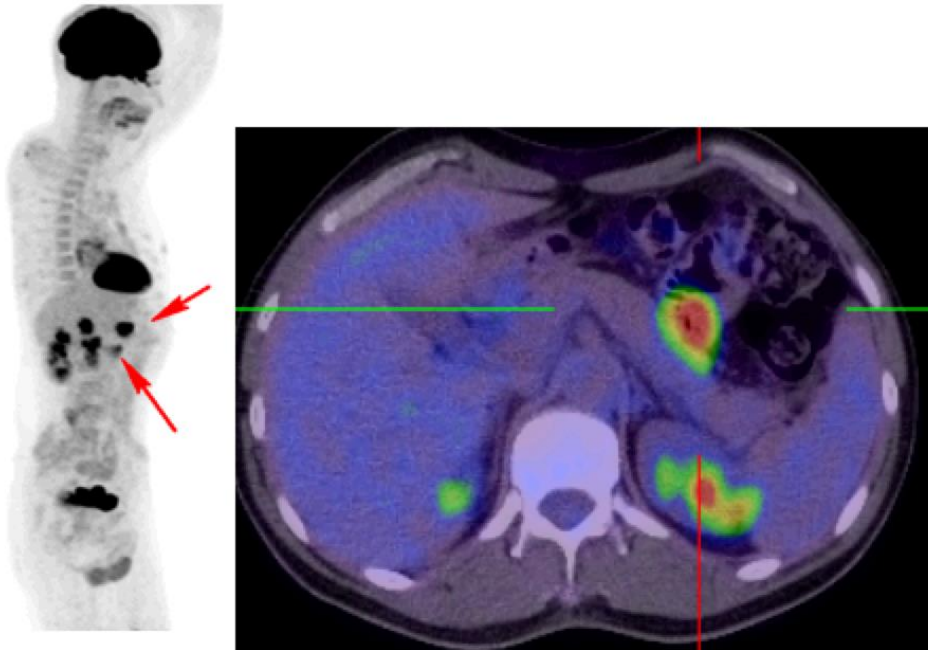
Baseline

Vemurafenib



Day 15

Immunotherapy after targeted therapy



Day 360

- Isolated recurrence in jejunum
- Switch to immunotherapy?
 - Surgery?

Immunotherapy after targeted therapy

Surgery + Vemurafenib continued

Progression at surgical site and intra-abdominal LNs

- Switch to immunotherapy?
- Surgery?

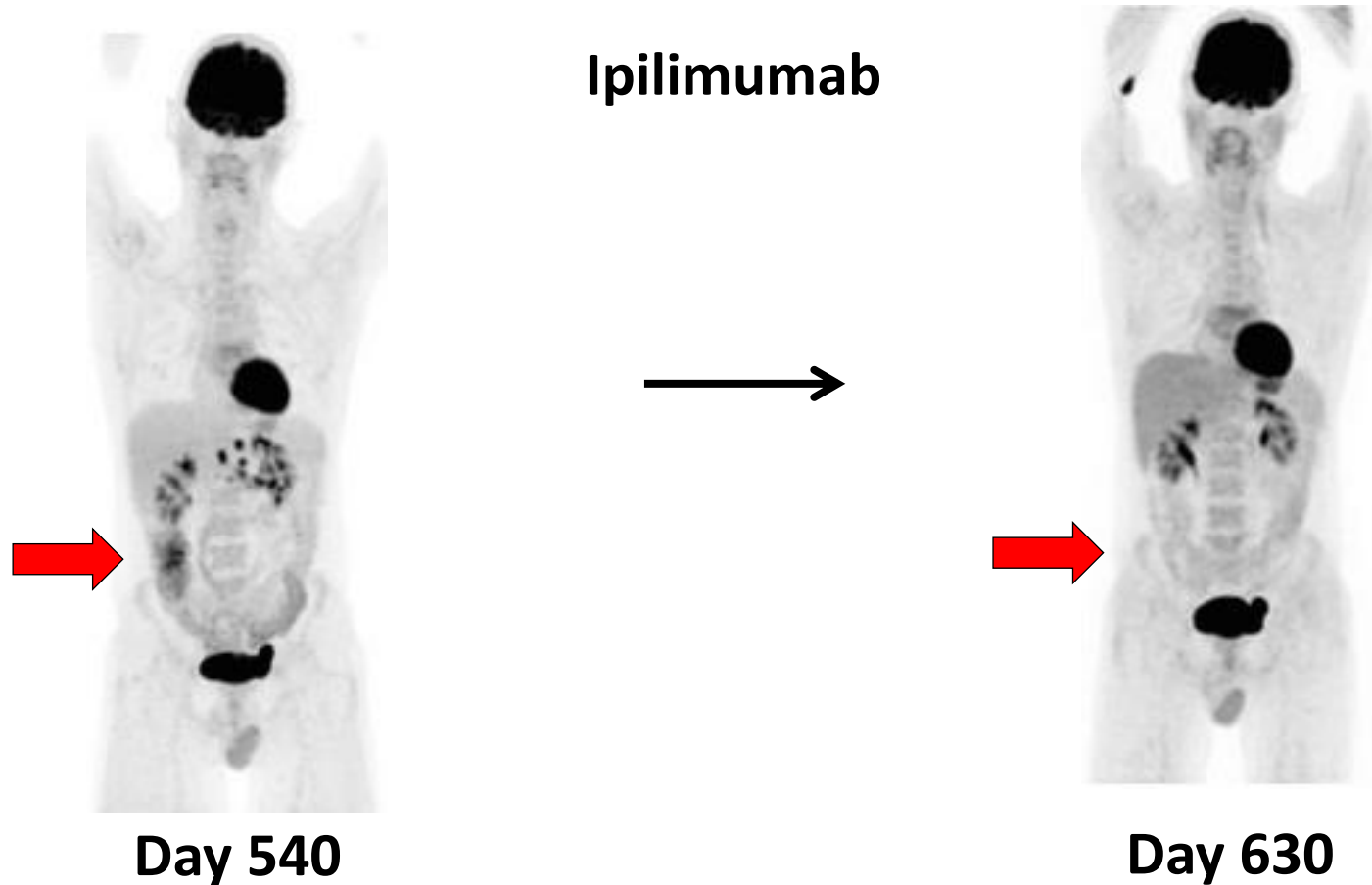


Day 540



Day 641

Immunotherapy after targeted therapy



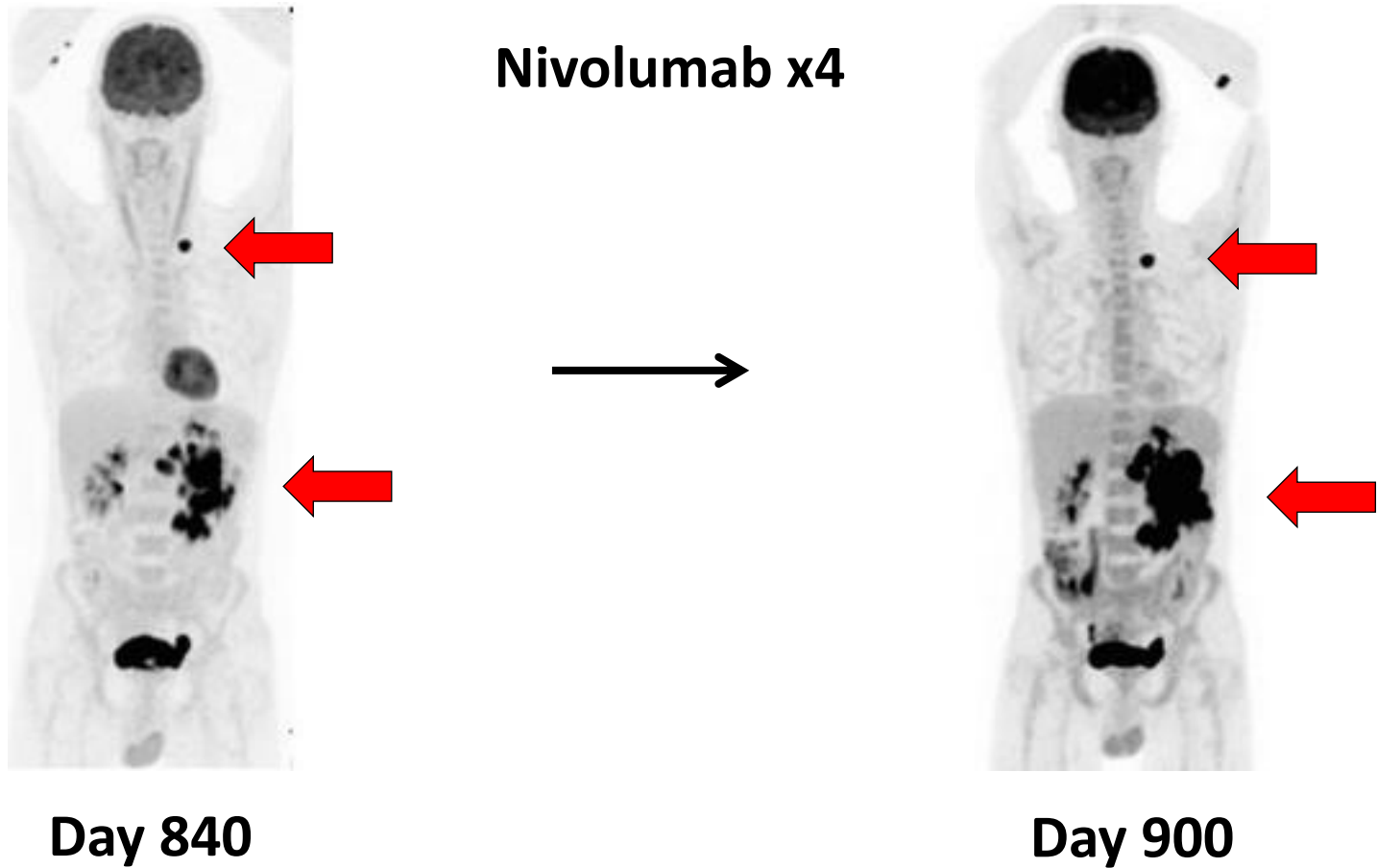
Immunotherapy after targeted therapy



Day 840

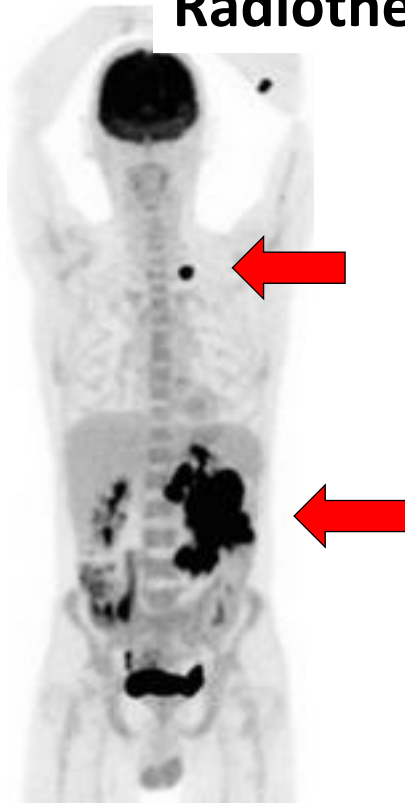
Options????

Immunotherapy after targeted therapy

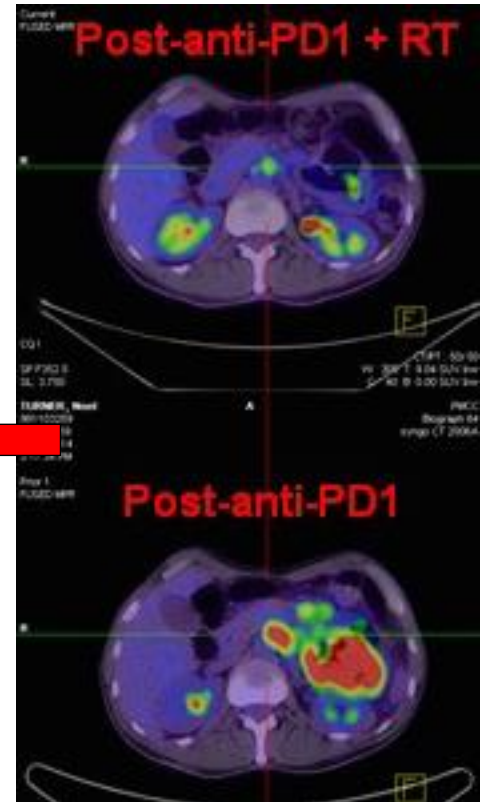


Immunotherapy after targeted therapy

Radiotherapy & continue nivolumab



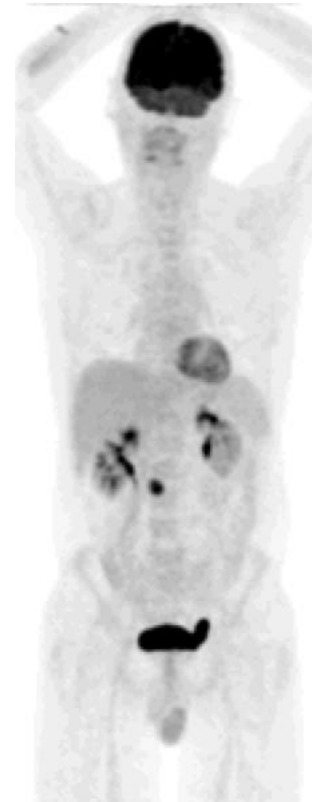
Day 900



Day 975

Immunotherapy after targeted therapy

Continuing nivolumab



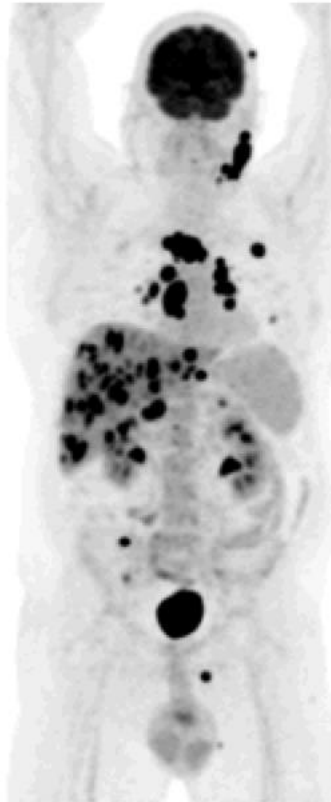
7 Dec 2015

Progression on Immunotherapy

- **2013** 61yo male 12mm thick melanoma on his cheek (6 mitoses/mm², ulc)
- WT BRAF Q61R NRAS
- Sentinel lymph node pos 1LN 8mm deposit
- Completion lymphadenectomy 0/37 Stage 3B

- **Imaging Surveillance**

Progression on Immunotherapy

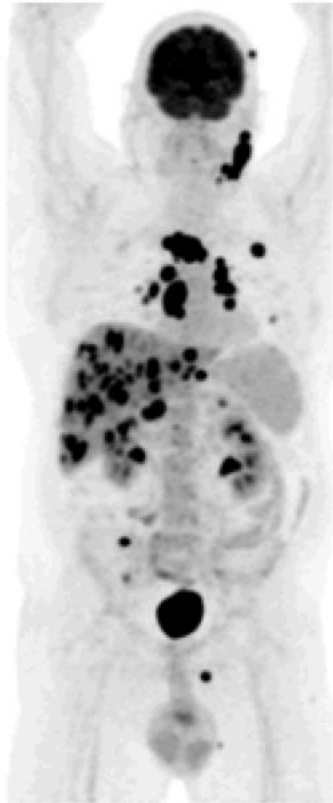


5 months post lymphadenectomy

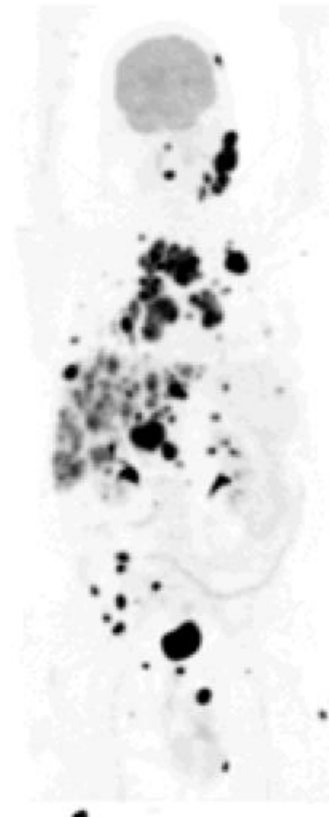
Metastases-

- soft tissue
- bone
- lymph nodes
- lung
- liver

Progression on Immunotherapy

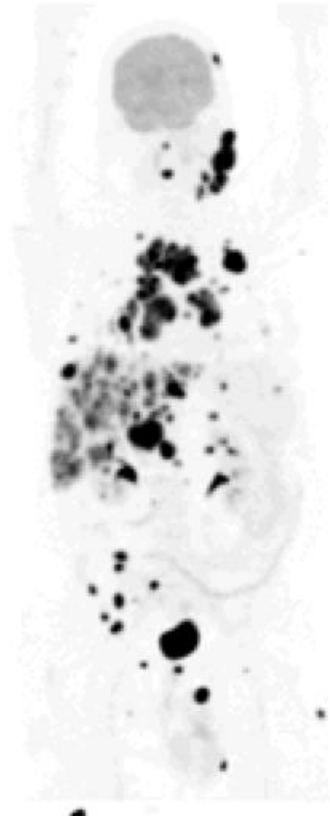


Ipilimumab



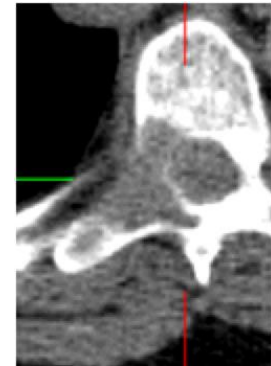
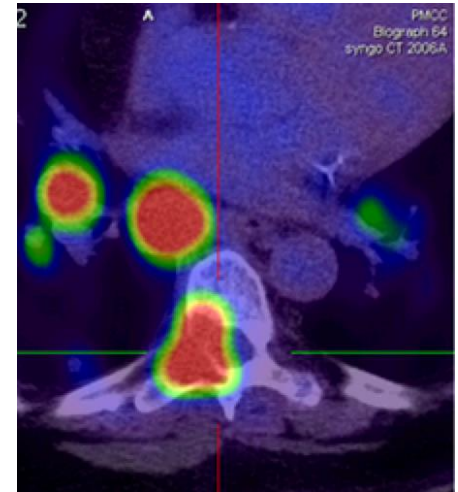
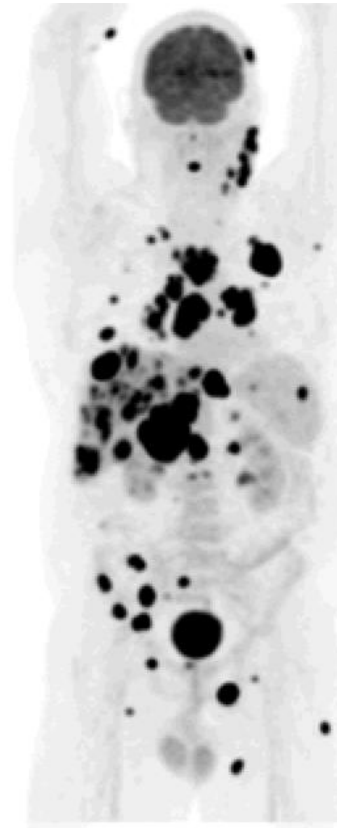
Day 90

Progression on Immunotherapy



Day 90

nivolumab



Day 145

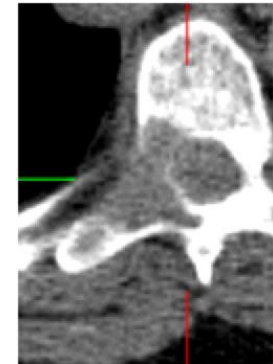
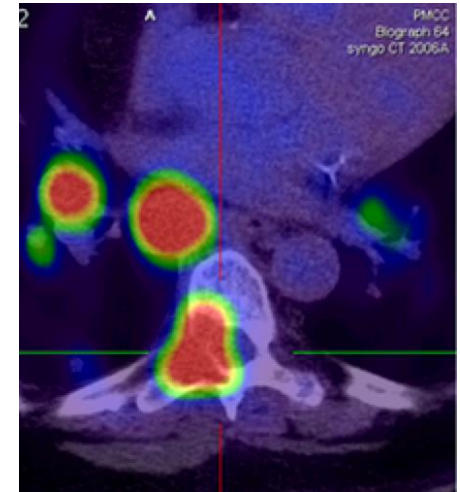
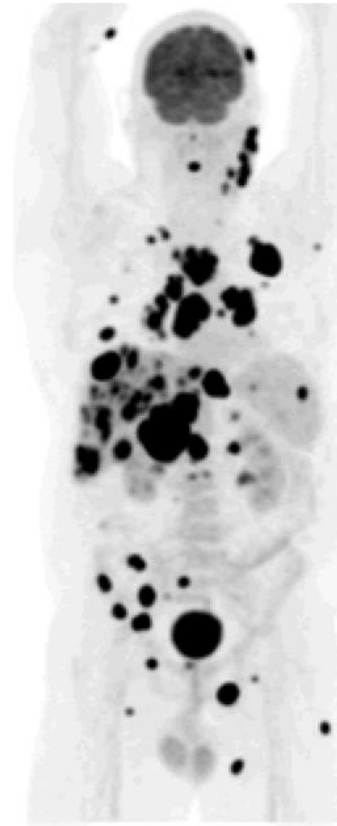
Progression on Immunotherapy



nivolumab

Progression at multiple sites / impending cord compression

- Radiotherapy?
- Surgery?
- Followed by clinical trial? (NRAS)
- Followed by continuation of nivolumab?

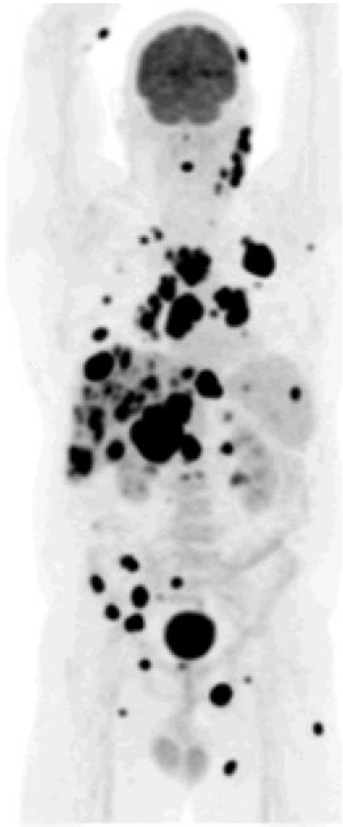
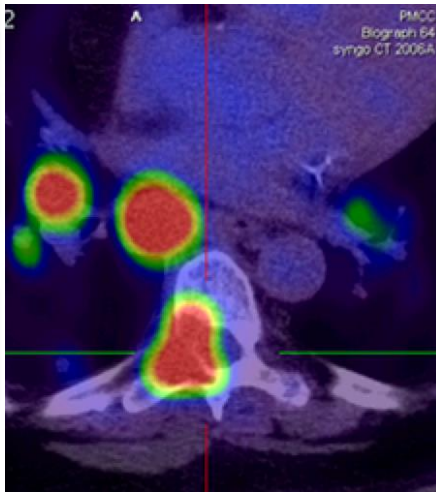


Day 90

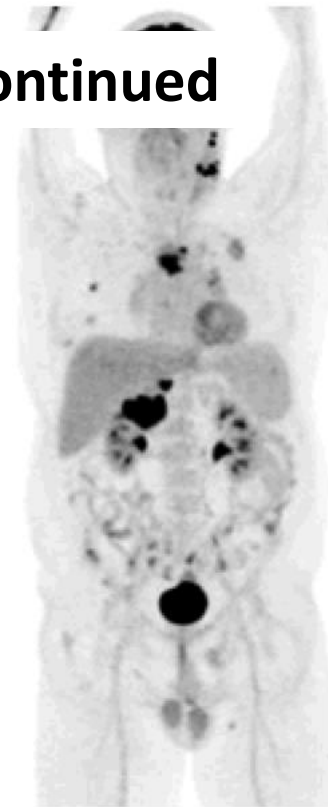
Day 145

Progression on Immunotherapy

Radiotherapy & Nivolumab continued



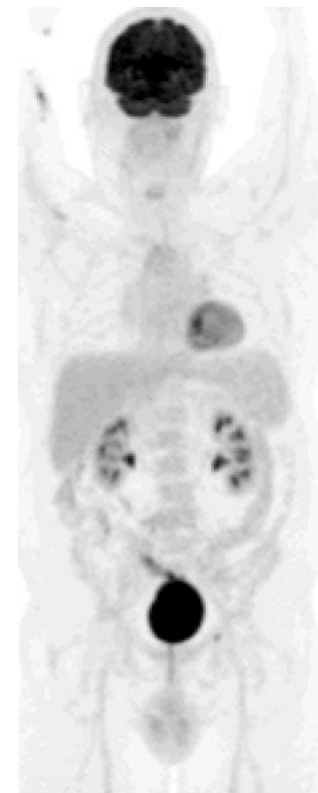
Day 145



Day 220

Progression on Immunotherapy

Nivolumab continued



Day 480