Assessed for eligibility (n=87)

Excluded (n=7)
Previous history of cancer

Start of radio therapy (n=80)
Blood sampling

Excluded (n=2)
Did not complete RT
Lost to follow-up (n=18)

End of radio therapy (n=60)
Blood sampling

Blood sample analysis
Baseline and follow-up

Plasma biomarkers:
- Oxidative stress
- Antioxidants
- GSH related parameters

Blood sample analysis baseline and follow-up

Responders (n=10)

PCA analysis
Excluded (n=1)
Failed QC criteria

Gene expression (n=9)

Poor responders (n=10)

PCA analysis
Excluded (n=1)
Failed QC criteria

Gene expression (n=9)