Stratum 1 – Vaccination with CV9202, 20 GY radiation, pemetrexed maintenance
- Non-squamous cell / No EGFR mutation
- PR or SD after ≥4 cycles first-line platinum + pemetrexed

Stratum 2 – Vaccination with CV9202, 20 GY radiation
- Squamous cell
- PR or SD after ≥4 cycles first-line platinum + non-platinum

Stratum 3 – Vaccination with CV9202, 20 GY radiation, continuation of gefitinib or erlotinib
- Non-squamous cell / EGFR mutation
- PR after ≤6 months gefitinib or erlotinib

*After Day 57 vaccination will continue every three weeks until six months from first vaccination, then every six weeks