Outpatients with Chronic Kidney Disease (CKD) (n=209)

- Did not meet inclusion criteria (n=73)
  - Age less than 18 years (n=2)
  - Neuroinflammatory disorders (n=6)
  - Malignancies (n=12)
  - Use of immunomodulatory drugs (n=20)
  - Use of antioxidant supplements (n=8)
  - Did not classified into CKD stages 4, 3b and 3a (n=25)

Randomized (n=136)

- Allocated intervention with folic acid (n=82)
- Did not allocated intervention with folic acid (n=54)

12-weeks follow-up assessment
- Completed (n=66)
- Did not complete (n=16)
- Diet before assessment time (n=4)
- Interrupted treatment before assessment time (n=5)
- Withdrew consent (n=4)
- Start to use antioxidants before assessment time (n=3)

- 12-weeks follow-up assessment
  - Completed (n=47)
  - Did not complete (n=7)
  - Diet before assessment time (n=1)
  - Withdrew consent (n=1)
  - Start to use antioxidants before assessment time (n=3)