

## Contraindications to BCG Intravesical Instillation (relative/absolute)

- Absolute:
  - Breaks in the urogenital epithelium:
    - Traumatic catheterisation (i.e. bleeding)
    - Active infective cystitis
    - Persistent gross haematuria
    - Resection of bladder tumour within 2 weeks
  - Immunosuppression:
    - Combined immunodeficiency (T and B-cell immunodeficiency)
    - T-cell immunodeficiency (e.g. HIV with CD4 count <200, DiGeorge Syndrome)
    - Previous treatment with chemotherapy medications such as Clofarabine, Bendamustine.
    - Recent (e.g. <12 months) treatment with Infliximab, Adalimumab or Etanercept (anti-TNF agents)
  - Previous BCGosis
  - Bone Marrow Transplant within the last 6 months
  - Allergy to BCG
  - Previous TB
  - Pregnant or breastfeeding
- Relative
  - Immunosuppression:
    - T-cell immunodeficiency
      - Idiopathic CD4 lymphopenia
      - HIV with CD4 count 200-350
      - Chronic lymphocytic leukaemia(7)
    - B-cell/Antibody immunodeficiencies
    - Severe G6PD deficiency(8)
    - Current or recent immunosuppressive treatment. E.g.
      - Prednisolone treatment(7) at  $\geq 10$ mg dose for  $\geq 2$  months within the last year (or equivalent dose of another corticosteroid)(9).
      - Mycophenolate mofetil,
      - Azathioprine
      - Sirolimus
      - Tacrolimus
      - Methotrexate
    - History of systemic chemotherapy such as Rituximab, Cyclophosphamide