Wilms’ Tumor Development

- **wt1**
  - Normal or over-expression
  - + other mutations

inactivation

- Denys-Drash Syndrome
  - Wt1 missense mutation
- WAGR Syndrome
  - Deletion 11p13

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Sporadic Wilms’ tumor

- ~15% of sporadic cases have *wt1* mutation

Syndromatic Wilms’ tumor

- Duplication of 11p15
  - (Beckwith-Wiedemann)

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LOH 11p15.5
- LOH 14q
- LOH 11q
- LOH 17p
- LOH 4p
- LOH 22q
- LOH 16q
- LOH 1p

Outcome

- Poor

16p13.3, 17q25, 4p16.3
- ???