| **Table D-2. Evidence table for studies assessing hormonal stimulation testing**  |
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| **Study Description** | **Population Description** | **Pre-testing Levels** | **Post-testing Levels** |
| Author:Davenport et al., 1995Country:UKSetting: HospitalEnrollment period:1974 to 1990**Design:**Prospective cohort  | Groups:G1: Particpants diagnosed as anorchic following surgical explorationG2: Participants diagnosed with bilateral, intraabdominal testes of normal volume following surgical explorationG3: Participants diagnosed with either unilateral, intraabdominal testes only or with bilateral dysplastic testes following surgical explorationParticipants received three doses of IM hCG on successive days. Dosage varied by age:<1 yr : 500 units/dose1-10 yrs: 1000 units/dose>10 yrs: 1500 units/doseInclusion criteria: See exclusion criteriaExclusion criteria: * Children with ambiguous genitalia or intersex
* History suggestive of neonatal torsion or trauma

N at enrollment (N testes): G1: 8 (0)G2: 14 (28)G3: 9 (NR)N at follow-up (N testes): G1: 8 (0)G2: 14 (28)G3: 9 (NR)Age, median yrs (range):9 (1-12)Comorbidities, n (%):NR | Hormone levels:Testosterone, basal median value (range):**G1:** 0.64 (0.5-2)**G2:** 0.5 (0.3-4.6)**G3**: 0.7 (0.4-4) | Hormone levels:Testosterone, peak median value (range):**G1:** 0.7 (0.3-2)**G2:** 5.1 (1.8-38.9)**G3**: 1.8 (0.7-21.7)Overall proportion with surgery:31 (100)Proportion with hormone response followed by surgery:31 (100)Proportion with no hormone response followed by surgery:NRProportion of testes palpable after testing:NRConfirmation of presence of testes:NA |

| **Table D-2. Evidence table for studies assessing hormonal stimulation testing (continued)** |
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| **Study Description** | **Population Description** | **Pre-testing Levels** | **Post-testing Levels** |
| Author:Merksz et al., 1992Country:Hungary Setting: HospitalEnrollment period:NR**Design:**Prospective cohort  | Groups:G1: Particpants with bilateral undescended testesG2: Participants with undescended testes with hypospadia Participants received 4500 IU of hCG over three consecutive days Inclusion criteria: * Suspected impaired androgen secretion
* Impalpable testes
* Hypospadias associated with undescended testes

Exclusion criteria: * Unilateral retention
* Both testes palpable inguinally before surgery or found to be normally developed during surgery

N at enrollment (N testes): G1: 20 (40)G2: 10 (17)N at follow-up (N testes): G1: 20 (40)G2: 10 (17)Age, range yrs:1-12Comorbidities, n (%):Hypospadias: 10 (33.3) | Hormone levels:Serum testosterone value, basal median value (range):**G1:** 0.67 (0.01-2)**G2:** 0.53 (0.01-1.4) | Hormone levels:Serum testosterone value, median value (range):**G1:** 4.16 (0.5-14.5)**G2:** 4.18 (0.42-13.5)Overall proportion with surgery:NRProportion with hormone response followed by surgery:NRProportion with no hormone response followed by surgery:NRProportion of testes palpable after testing:NRConfirmation of presence of testes:NR |