





9. Appendices

Appendix 1: Treatment options for transgender clients and monitoring of transgender hormone therapy

TABLE 1: Treatment options for transgender clients

Туре	Dose	Comments
Male to female		
Estrogen		
Oral estradiol	2.0–6.0 mg/d	Consider sublingual use to avoid first-pass effect
Transdermal estradiol patch	0.025–0.4 mg/d twice wk	Preferred to oral to prevent thrombotic events
Parenteral estradiol valerate or cypionate	5–30 mg IM every 2 wk	
2–10 mg IM every wk	Preferred to oral to prevent thrombotic events	
Anti-androgen		
Spironolactone	100-300 mg/d	Check potassium 1–2 wk after initiating
Cyproterone acetate	25–100 mg/d	Not available in US
GnRH agonist (leuprolide)	3.75–7.5 mg IM mo	Often do not use
Female to male		
Testosterone		
Parenteral testosterone Enanthate or cypionate	100–200 mg IM (or SQ) every 2 wk	If serum testosterone is in lower normal range but patient still has low libido, dose can be titrated slowly while monitoring for AEs
Transdermal testosterone gel	2.5–10 g/d	Gives smoother levels but can rub off on partner or children
Testosterone undecanoate	1,000 mg every 12 wk	Not available in US

Abbreviations: AE, adverse effects; GnRH, gonadotropin-releasing hormone agonist; IM, intramuscular; SQ, subcutaneous.

Source: Reproduced with permission from Frontline Medical Communications Inc. Transgender Care in the Primary Care Setting: A Review of Guidelines and Literature. California: Hashemi et al; 2018.







TABLE 2: Monitoring of transgender hormone therapy

Male to female	Female to male
Evaluate the patient every 2–3 months in first year, then 1–2 times per year	Evaluate the patient every 2–3 months in first year then 1–2 times per year
Measure serum testosterone and estradiol every 3 months during the first year, then every 6 months in the 2nd year, and then yearly; goal total testosterone level should be < 50 ng/dL and estradiol < 200 pg/mL; prolactin should be checked at baseline and then at least annually during the transition and then every 2 years	Measure testosterone every 2–3 months until level in normal physiologic range, then every 6 months in the 2nd year, then yearly; check prolactin if patient has any symptoms
If on spironolactone: check serum electrolytes every 3 months for the first year and then yearly	Measure estradiol level during first 6 months of treatment or until no bleeding for 6 months
Check CBC, LFT at baseline and follow-up visits	Check CBC, LFT at baseline and follow-up
Lipid panel: based on USPSTF recommendations	Lipid panel: based on USPSTF recommendations
HbA _{1c} : based on USPSTF recommendations	HbA _{1c} : Based on USPSTF recommendations

Abbreviations: CBC, complete blood count; HbA1c, hemoglobin A1c; LFT, liver function test; USPSTF, US Preventive Services Task Force.

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