

Dr. Claudia Pidal has been working with Fotona lasers for over two decades. As laser surgeon consultant she has authored numerous guides on laser surgery techniques for a variety of laser sources, as well as several papers on laser treatments in the lower genital tract. She has also been closely involved in the development of novel and innovative aesthetic laser techniques. Dr. Pidal runs her own Universo Laser clinic in Buenos Aires.

Er:YAG Removal of Vulvar, Perineal, Anal and Intra-anal Condilomas

Dr. Claudia Pidal

Parameters:

	Excision	Excision	Vaporization	Coagulation	Coagulation
Laser source:	Er:YAG	Er:YAG	Er:YAG	Er:YAG	Er:YAG
Handpiece:	R04	R04	R09	R09	R09
Spot size	1 mm	1 mm	3 - 5 mm	3 -5 mm	3 -5 mm
Pulse duration:	MSP	SP	SP	LP	VLP
Energy:	100 – 120 mJ	300 – 350 mJ	300 – 400 mJ	100 – 150 mJ	100 – 150 mJ
Frequency:	20 - 50	15 - 20	15 -20	15 -20	10 - 15



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Treatment procedure:

This case presents a 12-year-old HIV+ female patient. She presented with extensive vulvar, perineal, perianal and intra-anal condylomatosis. The diagnosis was confirmed by histopathology. PCR was also performed before the treatment and HPV DNA presence was confirmed.

Three sessions under general anesthesia were performed in about a year and a half. The combined technique of excision and vaporization was used. The base of each condyloma was clamped with hemostatic forceps and the laser cut was made above it. Vaporization was done with multiple passes on the bed to level it with the adjacent skin and on the edges about 10-15 mm outwards and up to 1 mm in depth as a safety margin. The detritus was removed by gauze soaked in saline. The bleeding was controlled with LP and VLP pulses of low energy density, below the threshold of ablation (1 J/cm²). No sutures were used.

Surgical removal of all condylomatous lesions was achieved with preservation of anatomy and function. Post-operative care consisted of systemic antibiotics for 7 days and local Gentamicin cream until epithelization. Healing was completed in 3 to 6 weeks without any bleeding, infection or pain. Despite healing by second intention, not much scar retraction was observed in any of the treated areas.



Before treatment



After treatment



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