

result of the recommendations of the CSIT, national policy is beginning to be reformed.<sup>8</sup> For a child to be diagnosed with congenital syphilis in Russia, he/she must have clinical symptoms or persistent serological abnormalities. According to the CSIT, these requirements may lead the frequency of the disease to be underestimated, since they do not consider asymptomatic children, i.e., the majority, to be probable cases. Most of these children were born to mothers with untreated or inadequately treated syphilis. In any case, health care policy stipulates that the children must receive preventive treatment with penicillin.<sup>8,9</sup>

The prevalence of early and late congenital syphilis in children adopted from Russia is lower than 0.05%,<sup>10</sup> thus indicating that they are well diagnosed, treated, and followed up in their country of origin. In any case, despite this low prevalence, we consider it important to continue screening for syphilis after the child's arrival in the country of adoption.

### Conflicts of Interest

The authors declare that they have no conflicts of interest.

### References

1. Barr AD, Field MG. The current state of health care in the Former Soviet Union: implications for health care policy and reform. *Am J Public Health.* 1996;86:307–12.
2. Tikhonova L, Borisenko K, Ward H, Meheus A, Gromyko A, Renton A. Epidemics of syphilis in the Russian Federation: trends, origins, and priorities for control. *Lancet.* 1997;350:210–3.

3. Netesov SV, Conrad JL. Emerging infectious diseases in Russia, 1990-1999. *Emerg Infect Dis.* 2001;7:1–5.
4. Riedner G, Dehne KL, Gromyko A. Recent declines in reported syphilis rates in eastern Europe and central Asia: are the epidemics over? *Sex Transm Infect.* 2000;76:363–5.
5. Uusküla A, Puur A, Toompere K, DeHovitz J. Trends in the epidemiology of bacterial sexually transmitted infections in eastern Europe, 1995-2005. *Sex Transm Infect.* 2010;86:6–14.
6. Oliván Gonzalvo G. Adopción en Rusia, Ucrania y Kazajstán: informes médicos, problemas de salud y telemedicina. *Pediatr Integral.* 2009;12:90–5.
7. Consenso en adopción internacional. Guía breve para pediatras y otros profesionales sanitarios. Valladolid: CORA; 2008.
8. Tikhonova L, Salakhov E, Southwick K, Shakarishvili A, Ryan C, Hillis S, Congenital Syphilis Investigation Team. Congenital syphilis in the Russian Federation: magnitude, determinants, and consequences. *Sex Transm Infect.* 2003;79:106–10.
9. Salakhov E, Tikhonova L, Southwick K, Shakarishvili A, Ryan C, Hillis S, Congenital Syphilis Investigation Team. Congenital syphilis in Russia: the value of counting epidemiologic cases and clinical cases. *Sex Transm Dis.* 2004;31:127–32.
10. Miller LC. Syphilis. In: Miller LC, editor. *The handbook of international adoption medicine. A guide for physicians, parents, and providers.* New York: Oxford University Press; 2005. p. 276–85.

G. Oliván-Gonzalvo

*Centro de Pediatría y Adopción Internacional, Zaragoza, Spain*

*E-mail address: golivang@gmail.com*

<https://doi.org/10.1016/j.adengl.2019.01.022>  
1578-2190/ © 2020 AEDV. Published by Elsevier España, S.L.U. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).

## Lipschütz Ulcer: An Acute Noninfectious Genital Ulcer to Bear in Mind in Adult Women<sup>☆</sup>



### Úlcera de Lipschütz. Una úlcera genital aguda no infecciosa para tener en cuenta en mujeres adultas

*To the Editor*

Genital ulcer is a common presenting complaint in clinical practice and may cause considerable anxiety for patients and their families.<sup>1</sup> Its etiology is diverse and includes infection, inflammation, drugs, injury, and tumors, and diagnosis may prove challenging.<sup>2</sup> Lipschütz ulcer is an acute noninfectious genital ulcer that has traditionally been reported in girls who have not yet started having sexual relations,<sup>3</sup> although it may be a frequent cause of genital ulcer in sex-

ually active adult women.<sup>1</sup> We report the case of a young woman with Lipschütz ulcer.

The patient was a 21-year-old woman with no history of disease and an active sex life who came to the emergency department with a 1-week history of very painful genital ulcers. She also reported odynophagia and fever during the previous 3 days. She denied having had sexual relations during the previous 2 months or having taken medication. Physical examination revealed fever (axillary temperature, 37.5 °C), painful cervical lymph nodes, and pharyngeal erythema. We observed marked edema of the labia majora and multiple round ulcers with a fibrin base and grayish halo distributed symmetrically on both sides of the vulva (Fig. 1). Cultures taken from the pharynx and the genital ulcers and serology for Epstein-Barr virus (EBV), including heterophile antibody agglutination testing and IgM and IgG testing were negative. Negative results were also recorded in serology testing for cytomegalovirus, *Mycoplasma pneumoniae*, syphilis, and HIV, as well as in the polymerase chain reaction (PCR) assay of the sample of the ulcer for herpesvirus types 1 and 2, *Treponema pallidum*, venereal lymphogranuloma, *Chlamydia trachomatis* (serotypes D-K), and *Haemophilus ducreyi*. PCR was not performed for influenza virus or other respiratory viruses. The patient was treated with ibuprofen 400 mg every 8 hours for 4 days, eau de Goulard dressings,

<sup>☆</sup> Please cite this article as: Morgado-Carrasco D, Bosch-Amate X, Fustà-Novell X, Giavedoni P. Úlcera de Lipschütz. una úlcera genital aguda no infecciosa para tener en cuenta en mujeres adultas. *Actas Dermosifiliogr.* 2020;111:624–626.



**Figure 1** Lipschütz ulcer. Edema of the labia majora and multiple rounded ulcers with a fibrin base and a grayish halo distributed symmetrically on the labia majora. Note the typical symmetrical distribution (kissing ulcers).

and methylprednisolone 1% cream for 10 days. The patient's condition progressed favorably with no complications. Her pain was relieved, and the ulcers healed in the following weeks.

Lipschütz ulcer is a disease of unknown origin characterized by acute painful and necrotic ulcers, which have a classic symmetrical "kissing" pattern. It is sometimes preceded by flu symptoms or mononucleosis-type symptoms and is common in young women and girls who have not yet started having sexual relations.<sup>3,4</sup> Cases in children aged under 2 years are exceptional.<sup>5</sup> As there are no clear diagnostic criteria, Lipschütz ulcer is considered a diagnosis of exclusion; sexually transmitted infections must be ruled out as the main differential diagnosis (Table 1).<sup>1</sup> It is generally not necessary to perform a biopsy of the mucous membrane.<sup>1</sup> Etiology and pathogenesis seem to involve a hypersensitivity reaction to a virus or bacteria such as EBV, *Mycoplasma pneumoniae*, cytomegalovirus, influenza virus, and *Salmonella*. Consequently, we observe immune complex deposition, complement activation, small vessel thrombosis, and tissue necrosis.<sup>1,5,6</sup>

Although Lipschütz ulcer has been associated with children, a recent publication that analyzed a series of 110 women with genital ulcers found that 30% had been diagnosed with Lipschütz ulcer at a mean age of 29 years (10–79 years) and that more than 80% had started having sexual relations. No patients had symmetrical (kissing) ulcers. The most frequent finding was multiple ulcers in the vulvar vestibule, although clinical expression was markedly polymorphic. Up to 30% had had a previous episode, and an associated microorganism, such as cytomegalovirus, EBV, *Mycoplasma pneumoniae*, or parvovirus B19 was detected in 27%.<sup>1</sup>

Lipschütz ulcer generally resolves spontaneously in 2 to 3 weeks without scarring. Management is based on support measures and control of pain. The measures used include sitz bath (warm water), poultices/dressings, local cleansing, oral analgesics (nonsteroidal anti-inflammatory agents or paracetamol), and topical anesthetics such as lidocaine 2%. In moderate to severe cases, we can prescribe high-potency topical corticosteroids, reserving systemic corticosteroids for cases with multiple necrotic lesions. Oral antibiotics are only indicated in the case of superinfection of the ulcers or accompanying cellulitis.<sup>6</sup> Lipschütz ulcer can recur in up to

**Table 1** Etiology of Acute Genital Ulcers.

Infectious	Herpes simplex virus 1 and 2
	Epstein-Barr virus
	Varicella zoster virus
	Acute HIV infection
	Syphilis
	Chancroid
	Venereal lymphogranuloma
	Leishmaniasis
	<i>Mycoplasma pneumoniae</i>
	Inflammatory
Recurrent aphthosis	
Pyoderma gangrenosum	
Erosive lichen planus	
Crohn disease	
Pharmacological	Fixed pigmented erythema
	Erythema multiforme
	Stevens-Johnson syndrome
	Toxic epidermal necrolysis
	Ulcers caused by methotrexate or foscarnet
	Injury
Neoplastic or preneoplastic	Sexual abuse
	Contusions
	Dermatitis artefacta
	Squamous cell carcinoma
	Extramammary Paget disease
	Erythroplasia of Queyrat

Source: Sehgal et al.

one-third of patients. In recurrent cases, it is necessary to rule out Behçet disease.<sup>1</sup>

Lipschütz ulcer must be taken into account in the differential diagnosis of genital ulcers in adult women, even in those with an active sex life, and in recurrent cases. Given that it is a diagnosis of exclusion, it is always necessary to screen for sexually transmitted infections.

## Funding

The authors declare that no funding was received for this study.

## Conflicts of interest

The authors declare that they have no conflicts of interest.

## References

- Vieira-Baptista P, Lima-Silva J, Beires J, Martinez-de-Oliveira J. Lipschütz ulcers: should we rethink this? An analysis of 33 cases. *Eur J Obstet Gynecol Reprod Biol.* 2016;198:149–52.
- Hernández-Gil J, Guiote MV, Vilanova A, Mendoza F, Linares J, Naranjo R. Úlceras genitales artefactas de aparición simultánea en pareja. *Actas Dermo-Sifiliogr.* 2006;97:122–5.
- Martín JM, Molina I, Ramón D, Alpera R, de Frutos E, García L, et al. Úlceras vulvares agudas de Lipschütz. *Actas Dermo-Sifiliogr.* 2004;95:224–6.
- Farhi D, Wendling J, Molinari E, Raynal J, Carcelain G, Morand P, et al. Non-Sexually Related Acute Genital Ulcers in 13 Puber-

- tal Girls: A Clinical and Microbiological Study. *Arch Dermatol.* 2009;145:38–45.
5. Burguete Archel E, Ruiz Goikoetxea M, Recari Elizalde E, Beristain Rementería X, Gómez Gómez L, Iceta Lizarraga A. Lipschütz ulcer in a 17-month-old girl: a rare manifestation of Epstein–Barr primoinfection. *Eur J Pediatr.* 2013;172:1121–3.
  6. Sehgal VN, Pandhi D, Khurana A. Nonspecific genital ulcers. *Clin Dermatol.* 2014;32:259–74.

D. Morgado-Carrasco\*, X. Bosch-Amate, X. Fustà-Novell, P. Giavedoni

*Servicio de Dermatología, Hospital Clínic de Barcelona, Universitat de Barcelona, Barcelona, Spain*

\* Corresponding author.

*E-mail address:* [morgado@clinic.cat](mailto:morgado@clinic.cat) (D. Morgado-Carrasco).

<https://doi.org/10.1016/j.adengl.2018.12.018>

1578-2190/ © 2020 AEDV. Published by Elsevier España, S.L.U. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).