

Experts Meeting on

Gynecologic Oncology

May 19-21, 2016 San Antonio, USA

The prevalence of varicocele and ovarian varicose veins in patients with cancer and/or venous thrombosis

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Background: Infertility and hormonal alterations can be associated with cancer and venous thrombosis. Varicocele and ovarian varicose veins are related to infertility and venous thrombosis. The objective is to investigate the association between cancer and venous thrombosis with varicose veins beside the germinating glands.

Methods: 152 patients were selected from my private practice in a retrospective observational study, 98 of them having been diagnosed with venous thrombosis and 54 of them having been diagnosed with cancer. The diagnosis of ovarian varicose veins and varicocele were made through eco-color-Doppler, considering the minimum diameter of the veins (4.0; 5.0 and 6.0 mm) next to the ovaries and next to the testicles (2.0; 2.5 and 3.0 mm), with a reflux of 0.5 s.

Results: Of a total of 14,800 patient, 152 with cancer and profound venous thrombosis were selected (1, 02%). Among these patients 98 were venous thrombosis cases and 54 were cancer cases. When we adopted the minimum diameter in varicocele as 2.0 mm, 2.5 mm and 3.0 mm, the rate was of 96.7%, 83.6% & 55.7% respectively and in ovarian varicose veins as 4.0 mm, 5.0 mm and 6.0 mm, the rate was of 83.5%, 61.5% and 39.6%.

Conclusions: Varicose veins next to the testicles and the ovaries are associated to oxidative stress, which can interfere in the hypothalamic-pituitary-gonadal axis, in the immune system and in genetics. The high prevalence of varicose veins next to the germinating glands may play a determinant role in cancer and in venous thrombosis.

Biography

Kennedy Gonçalves Pacheco is a Vascular Surgeon and phlebologist specializes in treating varicose veins with Dense foam guided Eco Color Doppler at the University Pierre et Marie Curie - Paris (France). He is a member of the Brazilian Society of Angiology and Vascular Surgery, Member of the French Society of Phlebology; specializing in the treatment of Varicose Veins Pelvic by the International Ruber Hospital - Madrid – Spain.

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