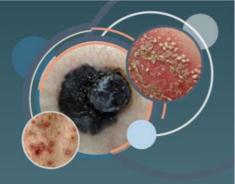




ROMA 17-18 Maggio 2024 Roma Eventi-Piazza di Spagna - Via Alibert 5A, 00187 Roma

1º INCONTRO 2024 YES NO CONTEST Dermatology Update



Alessandro Giunta

Fondazione PTV Policlinico Tor Vergata

Sessione Match "Yes or No" - La dermatologia in consulenza

Casistica clinica



Clinical case: consultation from the Nephrology Unit



74 years old man referred for generalized papular eruption at chest from the Nephrology Unit 2 SUD. The patient was admitted to hospital for a nephrotic syndrome with hypereosinophilia arose during treatment with ustekinumab for UC Renal biopsy: focal segmental glomerulosclerosis (FSGS); Congo Red - and Ig4 -

Parameter	Value	Referral values		
Red blood cells	3,26 milion/µL	4,40-6,00		
Hb	10,30 g/dL	13,00-18,00		
Hematocrit	29,80%	36,00-51,00		
Azotaemia	61,0 mg/dl	18,00-55,00		
Uricemia	2,80 mg/dl	3,50-7,20		
Calcium	7,40 mg/dl	8,80-10,00		
Inorganic phosphate	1,80 mg/dl	2,30-4,70		
Albumin	1,80 gr/dl	3,20-4,60		
Microalbuminuria (24h)	4621,50 mg/24h	0,00-30,00		
Urine Creatinine (24h)	820,80 mg/24h	870,00-2410,00		
Urine Proteins (24h)	6570,00 mg/24h	<300,00		
Creatinine clearance	56,44 ml/min	61,00-147,00		



- 1. La FSGS è un effetto collaterale grave di ustekinumab?
- 1. SI
- 2. NO











FGSC and Ustekinumab: review of published evidences

100

NEFROLOGIA, 2019;39(1):84-109

Nephrotic syndrome in relation to treatment with ustekinumab*

Síndrome nefrótico en relación con tratamiento con ustekinumab

Dear Edito

In recent years, monoclonal antibody therapy has increased exponentially, acquiring particular importance in patients with autoimmune diseases who are refractory to standard therapy. The use of these biological drugs has delivered great hope to this group of patients, as they have demonstrated promising results. The main drawback of these drugs is the current lack of knowledge on their possible side effects, due mainly to the fact that their use only started very recently and, therefore, experience with them in both the short- and long-term is limited.

An example of use of these treatments in the field of Dermatology is in psoriasis," where the most commonly used drugs are adalimumab (Humira") and ustekinumab (Stelara"). "² The latter is an IgG1 kappa antibody, which acts through specific binding to the p40 subunit of interleukins 12 and 25, thereby preventing the interaction of these interleukins with their receptor. Through this mechanism, it is possible to block the activation pathway of natural killer cells and T cells, as well as to prevent the differentiation of CD4+T cells from Th 1cells (heigher cells). ⁵

After reviewing the literature, we did not find any relationship between this treatment and nephrotic syndrome. We therefore consider this review interesting.

We present the case of a 51-year-old male with dyslipidaemia, undergoing treatment with statins and with a history of renal lithiasis of the left kidney during his youth, and undergoing follow-up by Dermatology for plaque psoriasis predominantly affecting the upper limbs, trunk and scalp. He had received treatment with Neotigason® (acitretin), topical corticosteroids, vitamin D analogues and ultraviolet A radiation, presenting a good response to treatment, but with re-occurrence of the lesions after its withdrawal. In this context, therapy was started with adalimumab, resulting in a partial response. In view of the persistent scalp and trunk lesions, it was decided to change to ustekinumab. This drug was administered in accordance with the normal induction regimen of 45 mg, followed by another 45 mg after four weeks, subsequently administering the next doses every 12 weeks.7 Approximately two years after starting treatment, when he had received a total dose of 585 mg, a few days after administration of the last dose, the presence of proteinuria was observed in the sitematic urinary analysis that was confirmed in a 24-h urine sample. Initially the proteinuria was

3.7 g/day and it was accompanied by mild hypoalbuminemia (albumin 3.2 g/dl) with increased levels of cholesterol and triglycerides, maintaining preserved kidney function. He was therefore referred to Nephrology to test for possible glomerulopathy.

During one of our visits, the patient mentioned foamy urine, which he had been experiencing for a few weeks, without observing haematuria or other symptoms. Considering the possibility of glomerulonephritis it was tested for immunoglobulins, complement, with blood and urine electrophoresis, ANA, ANCA and viral serology. The results confirmed the presence of nephrotic syndrome. The remaining complementary tests were normal or negative. Finally, in view of the findings obtained, an ultrasound-guided percutaneous kidney biopsy was performed.

A total of 19 glomeruli were observed in the pathological study, none of which were completely sclerosed. The vast majority presented frequent synechiae between the tuff and Bowman's capsule. Discrete segmental consolidations were identified in three glomeruli. Focal segmental granular deposits of IgM and C3 were identified on the direct immunofluorescence study. Due to the above, he was diagnosed of focal segmental glomerulosclerosis classic type variant (IFe. 3).

Given the temporal relationship between the administra tion of the treatment and the onset of proteinuria, it was decided to discontinue ustekinumab in light of suspected side effects from treatment. Concomitant treatment with prednisone was also started at the standard treatment dose in accordance with the KDIGO guidelines used for the management of symptoms of primary glomerulosclerosis (mg/kg of weight). In this case, it was not possible to combine renin-angiotensin-aldosterone system inhibitors due to the patient's symptomatic hypotension. In the following visits, he presented favourable progress, testing negative for proteinuria and recovering from hypoalbuminemia from the first month of treatment initiation and discontinuation of ustekinumab This rapid response, along with the absence of hypertension and microhaematuria, point to the diagnosis of side effects to treatment in the face of primary-origin glomerulonephri tis. Desnite this, it was decided to complete 12 weeks of oral prednisone, with progressive withdrawal until discontinuation. Currently, the patient continues to show no signs of active kidney disease (absence of proteinuria and normal kidney function) (Fig. 2).

Figure 1. Kidney biopsy. (a and b) Optical microscopy: areas of mesangial collapse and focal segmental glomerulosclerosis. (c) Immunofluorescence: C3 deposits. (d) Electron microscopy: diffuse effacement of podocyte processes.

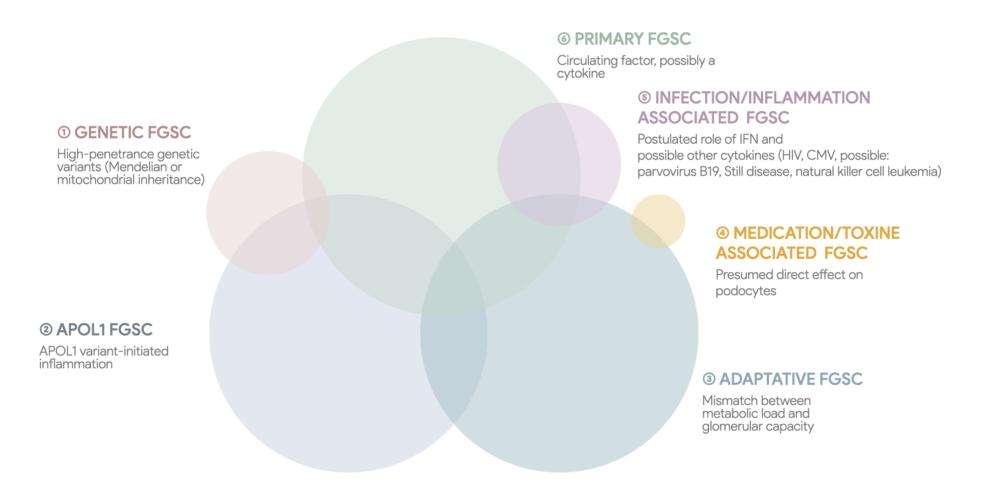
DOI of original article:

https://doi.org/10.1016/j.nefro.2018.06.003

⁹ Please cite this article as: Fernández MP, Piteiro Bermejo AB, Peña Esparragoza JK, Martínez AB, Moreno IA, Ramos JM, et al. Síndrome nefrótico en relación con tratamiento con ustekinumab. Nefrología. 2019;39:100-102.



FGSC: review of published evidences





IBDs and FGSC: review of published evidences

Inflammatory Bowel Diseases, 2023, 29, 1306–1316 https://doi.org/10.1053/ibd/izac140 Advance access publication 9 August 2022 Review Article - Clinical



Renal and Urological Disorders Associated With Inflammatory Bowel Disease

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Address correspondence to: Dr. Shankar Kumar, Centre for Medical Imaging, University College London, 2nd Floor Charles Bell House, 43–45 Foley Street,
WIW TTS, London, UK (Ishankar, Lumg-Binha, ned).

Renal and urinary tract complications related to inflammatory bowel disease (IBD) have been relatively understudied in the literature compared with other extraintestinal manifestations. Presentation of these renal manifestations can be subtle, and their detection in disciplination of these renal manifestations can be subtle, and their detection in disciplination of these renal manifestations can be subtle, and their detection of the compared to the compared

Lay Summary

Renal and urinary tract complications related to inflammatory bowel disease (IBD) are important but have been neglected in the literature. We emphasize the high index of suspicion required for the prompt diagnosis, tractement, and prevention of these manifestations and complications. Key Words: inflammator bowel disease. Cubrist disease, ulcerative collisis, renal disease, extraintestinal manifestation.

Introduction

Besides the gastrointestinal tract, inflammatory bowel disease (IBD) can also manifest in extraintestinal organs, contributing significantly to morbidity and mortality.12 These extraintestinal symptoms of IBD are divided into extraintestinal complications and extraintestinal manifestations (EIMs). Extraintestinal complications refer to manifestations that are direct or indirect sequelae of intestinal inflammation.1 In contradistinction, EIMs have been defined as "an inflammatory pathology in a patient with IBD that is located outside the gut and for which the pathogenesis is either dependent on extension/translocation of immune responses from the intestine, or is an independent inflammatory event perpetuated by IBD or that shares a common environmental or genetic predisposition with IBD.83 They likely represent a composite of systemic inflammation, autoimmune susceptibility, and metabolic and nutritional derangement. Extraintestinal manifestations are due to an inflammatory process occurring outside the gut but are related to the underlying diagnosis of IBD; their clinical spectrum varies from mild, transient disease to severe, disabling complications. The reported frequencies of EIMs in IBD range from 6% to 47%; the heterogeneity in reported

prevalence is likely due to the variability in definitions used for EIMs and because patients can be affected by multiple EIMs.\(^1\) Almost any organ can be affected, but involvement of the joints, skin, eyes, liver, and biliary tract are the most commonly described EIMs.\(^1\) Renal complications in IBD (Table 1) have received much less attention despite early studies reporting kidney involvement in nearly 25% of IBD patients.\(^{1.5}\) In these early reports, nephrolithiasis, obstructive uropathy, and fistula formation between the bowel and urinary tract were the most common occurrences.

Renal parenchymal involvement in IBD has also been described in the form of glomeulonephritis, bublodinetestitial nephritis, and amyloidosis. However, its true prevalence is not clear because systematic analyses are lacking. In recent years, the use of more potent drugs for treating IBD has increased the potential for nephrotoxicity, further highlighting the importance of this topic. Parenchymal renal involvement can affect any or all of the glomerular, tubular, or interstitial compartments. It is the purpose of this review to report and evaluate the key data in the literature on renal involvement in IBD. We emphasize the high index of suspicion required for the prompt diagnosis, treatment, and ideally prevention of these manifestations and complications; we also highlight some practical considerations in clinical practice.

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Nephrolithiasis

Calcium oxalate

Uric acid

Entero-vesical fistulae

Urinary tract malignancy

Kidney cancer

Urethral cancer

Bladder cancer

Drug-related nephrotoxicity

Glomerulonephritis

IgA nephropathy

Minimal change disease

IgM nephropathy

Membranous nephropathy

Membranoproliferative nephropathy

Focal and segmental glomerulosclerosis

Antiglomerular basement disease

Antineutrophil cytoplasmic antibody (ANCA)-associated vasculitis

Tubulointerstitial disease

Acute tubular injury

Tubulointerstitial nephritis

Renal amyloidosis

The reported frequencies of EIMs in IBD range from 6% to 47%; the heterogeneity in reported prevalence is likely due to the variability in definitions used for EIMs and because patients can be affected by multiple EIMs

Renal complications in IBD have received much less attention despite early studies reporting kidney involvement in nearly 25% of IBD patients



Clinical case: consultation from the Nephrology Unit







Happpoteriágione di un referio finado disfooracumenta, oscondir la nomotiva viginta Nyan, Carlinalo TRIABATA, SPRESOC Invadenti, Prist, America Federia Brain e ora della trans. 0912/2/20. 12.28.59. 14 Relatot (2023)1590505 Il referio à discherylas escondia la nomartica in Vigora.

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Neutrophils and inflammation

A critical role of inflammation is to deliver neutrophils and other leukocytes to a site of injury and to activate these cells to perform their function of protecting the host against infection

Neutrophils are among the first cells to arrive at sites of inflammation; reasons for this include their abundance in the bloodstream and their rapid response to chemokines. When activated, neutrophils move at speeds up to 30 µm/min – the fastest cell in the body

The motile responses of neutrophils to microbial infection include emigration out of the vasculature and movement toward the source of the inflammatory chemoattractant. This culminates in the phagocytic ingestion of opsonized microbes

The price to be paid for the defensive potency of neutrophils for destroying microbes and necrotic tissues is that they can injure normal tissue. During activation and phagocytosis, neutrophils release products (e.g. lysosomal enzymes, reactive oxygen intermediates, products of arachidonic acid metabolism [prostaglandins and leukotrienes]) not just within the phagolysosome, but also into the extracellular space. Endothelial injury and tissue damage ensue, thus contributing to a number of acute and chronic diseases that affect the skin as well as other organs



Neutrophils and inflammation: neutrophilic dermatoses

The neutrophilic dermatoses constitute a heterogeneous but linked spectrum of diseases, with significant overlapping histopathologic findings and similar pathogenic mechanisms and therapeutic approaches

They are often associated with underlying internal diseases, which may have significant morbidity and mortality. Histologically, these disorders are characterized by perivascular and diffuse neutrophilic infiltrates without any identifiable infectious agents

The cutaneous manifestations vary from vesciculo-pustules and plaques to nodules and ulcers. It is noteworthy that there may be several different types of lesions in the same patient. The dermatosis may be localized or more widespread, and, in an occasional patient, similar sterile neutrophilic infiltrates may be seen in the eyes, joints, bones, lung, liver and lymph nodes





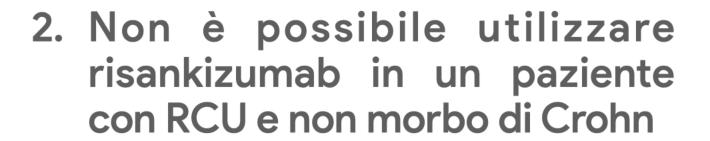
	Fusial a massal		Primary dermal						
	Epidermal		w/ vasculitis			w/ or w/o vasculitis		w/o vasculitis	
Α.	Pustular psoriasis	Α.	Sweet's syndrome (a)	Bullou	us dermatoses	Neutophilic dermatosis		Small vessels vasculitis	
B.	Drug induced/acute generalized exanthematous pustolosisi	В.	Pyoderma gangrenousum	a.	Dermatitis herpetiformis	(pustular vasculitis) of the dorsal hands		(leujocytoclastic vasculitis)	
		C.	Bechet disease (b)	b.	Linear IgA bullous		В.	Erythema elavatum dutinum	
C.	Keratoderma blennorrhagicum	D.	Bowel associated dermatosis-arthritis syndrome	C.	dermatosis Bullous systemic lupus		C.	Medium vessels vasculitis	
D.	Sneddon-Wilkinson disease	E.	Inflammatory bowel	d	erythematosus				
E.	lgA pemphigus	Г	Neutrophilic eccrine hidradenits	u.	 Inflammatory epidermolysis bulls acquisita 				
	a. Subcorneal pustular dermatosis type	١.							
		G.	Rheumatoid neutrophilic dermatitis						
	 b. Intraepidermal neutrophilic IgA dermatosis type 	Н.	Neutrophilic urticaria						
		١.	Sill's disease						
F	of the folds	J.	Erythema marginatum						
		K.	Peeriodic fever						
G.	Infantile acropustolosis		syndrome						
Н.	Tansient neonatal pustolosis								



Clinical case: IBD multidisciplinary meeting







- 1. SI
- 2. NO













Risankizumab and Ulcerative Colitis

HIGHLIGHTS IN HC FROM THE ACG 2023 MEETING

Risankizumab Induction Therapy in Patients With Moderately to Severely Active Ulcerative Colitis: Efficacy and Safety in the Randomized Phase 3 INSPIRE Study

Risankizumab is a humanized monoclonal antibody that binds to the IL-23 p19 subunit, inhibiting IL-23-mediated signaling and the related inflammatory cytokine cascade. The INSPIRE study, a phase 3, double-blind, placebo-controlled trial, was designed to evaluate the efficacy and safety of risankizumab as induction therapy in parients with moderately to severely active U.C. In a presentation by Loftus and colleagues, the primary efficacy and safety results at week 12 from the INSPIRE study were reported.

Patients enrolled in INSPIRE had an intolerance or inadequate response to conventional and/or advanced therapies for UC. No prior exposure to ustekinumab or IL-23 inhibitors was permitted. A total of 975 patients comprised the intention-to-treat population: patients were randomized in a 2:1 fashion to either placebo or 1200 mg risankizumab IV administered at weeks 0, 4, 8, and 12. Following induction therapy, responding patients were eligible for enrollment in the COMMAND maintenance study, whereas nonresponding patients were eligible for an additional 12 weeks of induction treatment.

The primary endpoint of clinical remission at week 12 was significantly

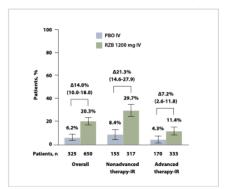


Figure 5. Clinical remission* at week 12 of RZB induction therapy in patients with moderately to severely active ulcerative colitis from the phase 3 INSPIRE study. Clinical remission per Adqued Mays such register than bandler, R85 et 00, and endosopic subscores 1 subscure 15 whost finishing. Remis reported as adjusted treatment difference RZB on PSO, 96 95 Cl and are banded en assesspendic impatient insurprising multiple impatients (NRLMI) to bandle mining data soring COVID-19 or owing to peopletical conflict in Usaine or surrounding treat.

[R. inadequate response. Vit interconvers [PO, Dachere R85, read befining subscore RZB, standaramd; SFS,

Adapted from Loftus et al. Abstract 35. Presented at: ACG 2023; October 20-25, 2023; Vancouver, Canada.

higher with risankizumab vs placebo (20.3% vs 6.2%; 95% CI. 10.0-18.0: P<.00001) (Figure 5). A benefit with risankizumab compared with placebo was observed in patients with an inadequate response to prior nonadvanced therapy (29.7% vs 8.4%) as well as in patients with an inadequate response to prior advanced therapy (11.4% vs 4.3%). The secondary endpoints of clinical response were also significantly improved with risankizumab vs placebo both at week 4 (52.2% vs 30.5%; 95% CL 15.6-28.1: Pc 00001) and week 12 (64.3% vs 35.7%; 95% CI, 22.3-34.8; P<.00001).

Several measures of endoscopic and histologic improvements at week 12 were also significantly improved with risankizumah compared with placebo. These included endoscopic improvement (36.5% vs 12.1%; 95% CI, 19.3-29.4: P<.00001), endoscopic remission (10.6% vs 3.4%; 95% CI. 4.2-10.2: P<.00001), HEMI (24.5% vs 7.7%; 95% CI, 12.3-21.0; P<.00001), and histologic-endoscopic mucosal remission (HEMR: 6.3% vs 0.6%; 95% CI, 3.5-7.7; P<.00001) Risankizumab was associated with improvements in a number of patientreported outcomes, such as no bowel urgency (44.1% vs 27.7%; 95% CI, 10.3-22.4: P<.00001), no nocturnal bowel movements (67.3% vs 43.1%: 95% CI, 17.9-30.5; P<.00001), and no abdominal pain (35.8% vs 26.5%: 95% CL 3.4-15.3; P<.00001).

Reported safety results were consistent with the already knot toxicity profile of risankizumab across other indications. The 3 most common adverse events (reported by ≥5% in either treatment arm) were COVID-19 infection (4.8% with risankizumab st. 5.9% with placebo), anemia (3.4% vs. 6.5%), and worsening of UC (1.7% vs. 10.2%). There were no adjudicated cases of maior cardiovascular event.

Inflammatory Bowel Diseases, 2022, 28, e140—e141 https://doi.org/10.1093/ibd/izac072 Advance access publication 13 April 2022 Letter to the Editor



Letter to the Editor

Patient With Ulcerative Colitis and Failure of Ustekinumab Responds to Risankizumab: Similar Is Not Identical

Yonatan Ziv, MD, * O Arun Swaminath, MD, * O and Keith Sultan, MD*

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To the Editors

Currently, targeted biologics for ulcerative colitis (UC) include the anti-TNF- α medications infliximab, and ustekinumab, golimumab, the anti-integrin vedolizumab, and ustekinumab, targeting the p40 subunits of both interleukin (IL)-12 and IL-23. New small molecule therapies include the JAK inhibitor tofacitinib and the SIP receptor modulator ozanimod.

Recent guidelines on the management of nonimmune biologic failure suggest switching to a therapy with an entirely different mechanism of action.¹³ Notably, the next wave of therapies includes drugs with mechanisms either overlapping or similar to those already available. It is currently unclear whether these newer drugs might be effective rescue therapy following failure of their similar "cousin" medications.

Risankizumab, a selective inhibitor to the p40 subunit of IL-23 is currently approved for the treatment of psoriasis and psoriatic arthritis. Phase 3 clinical trials of risankizumab for UC are in progress. It is unknown whether patients with a failure of ustekinumab might respond to risankizumab.

We present a 70-year-old male diagnosed with left-sided colitis at 66 years of age. Medical history includes deep venous thrombosis (DVT) on apixaban and mild/inactive psoriasis. He reports loose, bloody stools 10 times daily. Following failure of prednisone and mesalamine, he began vedolizumab from August 2017 through February 2019, eventually as frequently as every 4 weeks. This was followed by failure of ustekinumab from April 2019 to February 2020, also accelerated to every 4-week dosing, confirmed by colonoscopy demonstrating Mayo 3 score (Figure 1A). The patient then tied infliximab through November 2020, experiencing nonimmune failure and trough level 9.1 ug/mL. The patient requested a second course of vedolizumab, which was given from November 2020 to March 2021 without any clinical or endoscopic response. Given his DVT history, the patient declined tofacitinib, and ozanimod was not vet approved for UC. He was subsequently started receiving 150 mg of risankizumab subcutaneously at weeks 0, 4, and then every 12 weeks. The patient rapidly reported decreased urgency and

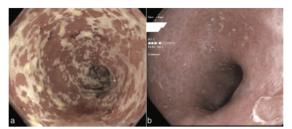


Figure 1. A, Sigmoid colon following ustekinumab. B, Sigmoid colon following risankizumab

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Clinical case: Whatsapp consultation (sic!)





Clinical case: Whatsapp consultation (sic!)





- 1. Le lesioni sono compatibili con una inefficacia secondaria e il trattamento deve essere modificato
- 1. SI
- 2. NO













Clinical case: once you say yes, you never come back







30% benzyl benzoate diluted in a sweet almond oil solution 300 ml applied once daily for 5 consecutive days

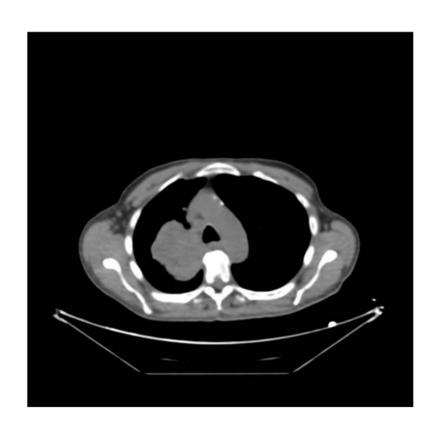


Clinical case: you wanted, it you got it





Clinical case: consultation from the Oncology Unit



A 64-year-old white man was admitted in May 2023 for low back pain

CT abdomen revealed spine bone osteolytic lesions compatible with metastasis of an unidentified neoplasm

Subsequent CT-PET scan identified a voluminous neoformation (8×7 cm) in the upper lobe of the right lung and mediastinal lymphadenopathy

Trans-thoracic biopsy confirmed lung adenocarcinoma, therefore radiotherapy was initiated for D2-D5 and L3 vertebral lesions

In July 2023, positive (>50%) PD-L1 expression led to start Pembrolizumab therapy (200 mg i.v. every 3 weeks)

1. Le indicazioni terapeutiche del pembrolizumab sono il tumore al polmone ed il melanoma in stato avanzato?



2. NO





ROMA 17-18 Maggio 2024









Pembrolizumab EMA indications



10 DERMATOLOGY

melanoma head and neck squamous cell carcinoma (HNSCC)



② NEPHROLOGY

renal cell carcinoma urothelial cancer



3 GASTROENTEROLOGY

oesophageal cancer gastric and gastro-oesophageal junction adenocarcinoma biliary tract cancer



4 HEMATOLOGY

classical Hodgkin lymphoma



⑤ PNEUMOLOGY

non-small cell lung cancer (NSCLC)



© SENOLOGY

triple-negative breast cancer



O GYNECOLOGY

endometrial carcinoma cervical cancer



Cancers when described as microsatellite instability-high (MSI-H) or mismatch repair deficient (dMMR): colorectal cancer, endometrial carcinoma, gastric cancer, small intestine cancer, biliary cancer



Clinical case: consultation from the Oncology Unit







1. A. Giunta, C Di Raimondo. Personal experience, for educational purpose only



- 1. S
- 2. NO













Acanthosis nigricans pathophysiology and definition



Figure 1. A) Achantosis nigricans B) Acanthosis nigricans form of epidermal nevus C) Atopic dirty neck D) terra firma-forme dermatosis

Acanthosis nigricans (AN) is described as a cutaneous disorder of multiple etiologies, characterized by symmetric, dark, coarse, thickened, velvety appearing plaques commonly distributed on the neck, axillae, antecubital and popliteal fossae, inframammary, and groin areas

The term was introduced by Paul Gerson Unna and the first case report was published by Sigmund Pollitzer in 1891

Morphologically similar cutaneous diseases may sometimes lead to diagnostic confusion. These include epidermal naevi, psoriasis, fungal infections, atopic dirty neck, confluent and reticulated papillomatosis, Hailey-Hailey disease, and terra firma-forme dermatosis



Cutaneous findings in cases of morbid obesity

Skin manifestations in obese patients are quite diverse and include striae distensae, skin tags, plantar hyperkeratosis, acanthosis nigricans, the sequelae of hyperandrogenism, lymphedema, panniculus morbidus, chronic venous insufficiency, stasis dermatitis, leg ulceration, intertrigo, cellulitis, pressure ulcers and 'buried penis'. Obesity has also been associated with hidradenitis suppurativa, psoriasis, atopic dermatitis, systemic lupus erythematosus, lichen planus and acne vulgaris













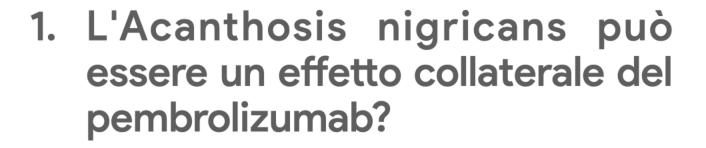


Figure 1. Clinical pictures of frequent skin manifestation in morbid obesity: A) Elevated striae in the lower abdomen B) A cluster of axillary skin tags C) Chronic lymphedema of the lower legs and feet D) Lymphatic obstruction of the fatty apron, so-called panniculus morbidus, with typical peau d'orange changes E) Violaceus discoloration with skin crusting and cracking in a case of chronic venous insufficiency F) Bilateral submammary reddened and moist areas of intertrigo G) A 'disappearing penis' being enveloped by pudendal fat

^{1.} Byard RW. Manifestations and etiology of cutaneous findings in cases of morbid obesity. Forensic Sci Med Pathol. 2023 Oct 27

^{2.} Uzuncakmak TK, et al. Cutaneous manifestations of obesity and themetabolic syndrome. Clin Dermatol. 2018;36:81-88

^{3.} Hirt PA, et al. Skin changes in the obese patient. J Am Acad Dermatol. 2019;81:1037-1057



- 2. SI
- 3. NO













Pembrolizumab safety: skin disorders

Skin and subcutaneous tissue disorders							
	Monotherapy	In combination with chemotherapy	In combination with axitinib or lenvatinib				
Very common	pruritus ^(a) , rash ^(a)	alopecia, pruritus ^(a) , rash ^(a)	rash ^(a) , pruritus ^(a)				
Common	severe skin reactions ^(a) , erythema, dermatitis, dry skin, vitiligo ^(a) , eczema, alopecia, dermatitis acneiform	severe skin reactions ^(a) , erythema, dermatitis, dry skin, dermatitis acneiform, eczema	severe skin reactions ^(a) , dermatitis, dry skin, erythema, dermatitis acneiform, alopecia				
Uncommon	psoriasis, lichenoid keratosis ^(a) , papule, hair colour changes	psoriasis, vitiligo ^(a) , papule	eczema, lichenoid keratosis ^(a) , psoriasis, vitiligo*, papule, hair colour changes				
Rare	Stevens-Johnson syndrome, erythema nodosum, toxic epidermal necrolysis	Stevens-Johnson syndrome, lichenoid keratosis ^(a) , erythema nodosum, hair colour changes	toxic epidermal necrolysis, Stevens- Johnson syndrome				

⁽a) The following terms represent a group of related events that describe a medical condition rather than a single even

^{1.} https://www.ema.europa.eu/en/medicines/human/EPAR/keytruda



Acanthosis nigricans classification

Acanthosis Nigerians					
	Classification	Reference			
Curth HO	A. MalignantB. Benign inheritedC. Pseudo-associated with obesityD. Syndromic	Curth HO. Classification of acanthosis nigricans. Int J Dermatol. 1976;15:592-593			
Hernández-Pérez E	A. Simple (including nevoid/obesity-related/drug related/ syndromic)B. Paraneoplastic	Hernández-Pérez E. On the classification of Acanthosis Nigricans. Int J Dermatol. 1984;23:605-606			
Schwartz RA	 A. Benign B. Obesity-associated C. Syndromic D. Malignant E. Acral F. Unilateral G. Medication-induced H. Mixed-type (when two varieties are present) 	Schwartz RA. Acanthosis nigricans. J Am Acad Dermatol. 1994;31:1-19			



Clinical case: consultation from the Oncology Unit







1. A. Giunta, C Di Raimondo. Personal experience, for educational purpose only

- 1. Le lesioni verruciformi nel contesto dell'acanthosis nigricans sono dovute all'immunosoppressione determinata dalla condizione oncologica?
- 2. SI
- 3. NO













Clinical case: consultation from the Oncology Unit





A skin biopsy at the axillary site revealed hyperkeratosis of the epidermis, papillomatosis of the dermis, and irregular acanthosis

Immunohistochemical analysis for p16 and HPV-DNA detection excluded viral etiology

Considering the patient's underlying tumor and the characteristics of skin lesions, a diagnosis of paraneoplastic syndrome. After seven cycles of pembrolizumab, the patient's pulmonary neoplasm remains stable, with no improvement in the associated skin condition



Schwartz and Burgess syndrome or FCP

· · · · · Report

Florid Cutaneous Papillomatosis, Malignant **Acanthosis Nigricans, and Pulmonary** Squamous Cell Carcinoma

Patrick Gheeraert, M.D., Jean Goens, M.D., Robert A. Schwartz, M.D., M.P.H., W. Clark Lambert, M.D., Ph.D., Fabienne Schroeder, M.D., and L. Debusscher, M.D.

Abstract: A 72-year-old man had florid cutaneous papillomatosis (FCP), which is an obligatory paraneoplastic syndrome always associated with an internal malignancy. The cancer. which is usually intraabdominal and most often gastric in origirl, evolves parallel to the FCP. This patient is the first case of FCP occurring in association with a lung malignancy. An association of FCP with other signs of internal cancer is common. with malignant acanthosis nigricans usually appearing many times with the sign of Leser-Trélat. FCP, malignant acanthosis nigricans, and the sign of Leser-Trélat are part of a continuum, developing by a common or similar pathogenic pathway due to an underlying malignancy producing a factor possibly similar to human epidermal growth factor.

Florid cutaneous papillomatosis (FCP) is a disease consisting of the rapid onset of numerous warty papules indistinguishable clinically from viral warts.1-These lesions develop on the trunk and extremities. FCP has been described in association with malignant acanthosis nigricans and internal malignancy. We report a case associated with malignant acanthosis nigricans and a squamous cell carcinoma of the lungs.

Report of a Case

. A 72-year-old man was evaluated in December 1985 for the onset of multiple pruritic warty papules located predominately on the back of his hands and wrists, back, thighs, and knees of 3 months duration (Fig. 1). The papules gradually increased in size and number. He also noted fatigue, anorexia, and a weight loss of 12 kg in the previous year. Many years earlier he had a partial resec-

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tion of the small bowel after a traumatic injury during an automobile accident. He also had a thyroidectomy. He smoked 20 cigarettes or more each day for over 50

Physical examination showed the presence of multiple papillomatous verrucous lesions. The largest lesions were up to 1 cm in diameter and were indistinguishable from viral warts. The smallest of them were 2-3 mm in diameter. There was also a diffuse palmoplantar keratoderma (Fig. 2).

Multiple skin biopsies from these papillomas showed orthokeratotic hyperkeratosis, acanthosis, and papillomatosis (Fig. 3). There were no signs of viral inclusions or vacuolar degeneration of keratinocytes. Congo red staining was negative for amyloid. Ultrastructural microscopy also excluded the presence of viral inclusions and amyloid deposits. Papillomavirus serology was negative.

Initial laboratory evaluation was remarkable for a sedimentation rate of 50 mm/h. fibrinosen (538 me/dl) C reactive protein (4.45 mg/dl), immunoglobulin G (2.075 mg/dl), and mottled ANA (1/2.500). A serum immunoelectrophoresis showed a monoclonal kappa component. Urinary sediment examination showed kappa and lambda light chain traces. Chest, skull, and upper gastrointestinal roentgenograms were normal at

This first evaluation did not allow us to detect any internal malignancy despite a strong clinical suspicion and the suggestive paraneoplastic nature of the cutaneous lesions. The patient was interpreted as having only a benign monoclonal gammapathy. He was treated with etretinate 1 mg/kg/day for 1 month to improve his cutaneous hyperkeratotic lesions, but there was no benefit on the eruption or on his pruritus.

Six months later, in July 1986, the patient reappeared complaining of deteriorating health and mental depression. His skin lesions were unchanged, except for the onset of velvety brown hyperkeratotic papillomatous papules in the axillary folds typical of acanthosis nigricans (Fig. 4). His gammopathy remained stable, but his chest roentenogram, chest CAT scan, mediastinoscopy,

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Florid cutaneous papillomatosis with acanthosis nigricans in a patient with carcinomas of the lung and prostate

To the Editor: Acanthosis nigricans (AN) is a cutaneous finding characterized by velvety, hyperkeratotic plaques that predominate on flexural surfaces of the neck, axillae and groin.1 Histologically, AN is characterized by papillomatosis and hyperkeratosis. When it is paraneoplastic it is called malignant AN. The onset of malignant AN may present with three other cutaneous signs: florid cutaneous papillomatosis (FCP), tylosis, and the sign of Leser-Trélat. 1-2

A 70-year-old male presented in November 2003 for evaluation of multiple verrucous lesions on his hands, forearms, feet, and lower legs, which had developed since the summer of 2003. During that time he had also noticed a diffuse brownish hyperpigmentation and velvety thickening of the skin in the axillae, inguinal region, and mammillary areolae. He complained of generalized pruritus and weight loss of 5 kg within the last 3 weeks. The patient had ceased smoking 15 years earlier (15 pack years [a pack year being the number of years a patient has smoked cigarettes multiplied by the number of packs per dayl) and was treated with allopurinol for hyperuricemia. Physical examination revealed numerous skin-colored firm and non-pendunculated, verrucous papules (0.5-1 cm in diameter) covering the dorsal region of his hands, wrists (Fig 1), and ankles as well as the dorsal aspects of the shins and calves. The plantar surfaces were spared. The skin of the axillae (Fig 2) and groin was thick, hyperpigmented, and velvety in appearance. His palms and soles were thickened and rough. Furthermore, tripe palms were noted.

Results of complete blood count, serum chemistry, and urinalysis were normal except for an increased level of creatinine 1.5 mg/dl (normal, <1.3 mg/dl), thyroid stimulating hormone 5.8 µU/ml (0.1-4 μU/ml), squamous cell carcinoma (SCC) antigen 40.1 ng/ml (<1.5 ng/ml), and prostate-specific antigen 7.68 ng/ml (<4.5 ng/ml). Serum levels for hemoglobin (11.7 g/dl), iron (30 µg/l), and transferrin (1.46 g/l) were decreased. Fasting plasma glucose levels were slightly impaired (100 mg/dl; normal <100 mg/dl). A computed tomography scan revealed a 7 cm × 7.2 cm mass infiltrating the middle and upper lobe of the right lung, enlarged hilar and pretracheal lymph nodes, and thickening of the pleural interstitium and enlargement of the prostate. Upper gastrointestinal endoscopy revealed diffuse papillomatosis of the esophagus (Fig 3).

Histologic examination of a wart-like skin lesion and a papillomatous esophageal lesion displayed Letters 907



Fig 1. Flat wart or fibroma-like papules around the wrist, the dorsal area of the left hand, and forearm.



Fig 2. Acanthosis nigricans of the right axilla.

pronounced hyperkeratosis, acanthosis, and papillomatosis. No evidence of human papilloma viral DNA was found by polymerase chain reaction.

SCC of the lung and adenocarcinoma of the prostate were confirmed by biopsy. Despite chemotherapeutic treatment with carboplatin and vinorelbine, no improvement of the SCC of the lung and the cutaneous lesions was observed, and the patient died 6 months later.

In general, malignant AN has a sudden onset with rapid spreading. Rarely it presents with other cutaneous and mucosal warty lesions (eg, CP).1-4 In FCP, papillomas are most commonly located on the extremities, particularly on the backs of hands and wrists, but may disseminate to the entire body.2 Furthermore, pachydermatoglyphy and intense CASE REPORT

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Florid cutaneous and mucosal papillomatosis with acanthosis nigricans revealing a primary lung cancer

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ABSTRACT

This is the report of an 80-year-old patient with diffuse brownish hyperpigmentation and velvety thickening of the skin with onset 1 year before. Warty lesions on his limbs were present as well as papillomatous and verrucous lesions on his lips, mouth and eyelid conjunctivae with hyperkeratosis of the nipples. Biopsies, performed at different sites, showed histological pictures consistent with a diagnosis of acanthosis nigricans (AN) with florid cutaneous and mucosal papillomatosis. This type of AN is frequently associated with internal malignancy. In our patient serum levels of tissue polypeptide antigen, carcinoembryonic antigen, cytokeratin fragment and squamous cell carcinoma antigen were high and chest computed tomography scan indicated a large tumour infiltrating the right lung and extending to the mediastinum. Cytological examination of bronchial drainage revealed the presence of neoplastic cells, non-small cell type carcinoma. The most frequent cancer associated with malignant AN is gastric adenocarcinoma. Lung tumour has rarely been reported with AN. Malignant AN is sometimes associated with other cutaneous and mucosal warty lesions, as in our patient. These various skin and mucosal lesions are the expression of a systemic epithelial disorder and may help clinicians to suspect a malignant form of AN.

Key words: acanthosis nigricans, cutaneous papillomatosis, mucosal papillomatosis, paraneoplastic

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Introduction

Acanthosis nigricans (AN) is a disorder characterized by skin hyperpigmentation and thickening especially in certain regions, such as the neck, axillae and groins. This skin disorder may develop in response to metabolic or endocrinological diseases such as insulin-resistant diabetes mellitus, pituitary hypogonadism, Addison's disease, hypothyroidism, hyperandrogenic syndromes and obesity.1 AN can be quite aggressive and spread all over the skin surface: verrucous papillomatous lesions may appear on the limbs, lips, mouth and eyelid conjunctivae. Some authors use the term florid cutaneous and mucosal papillomatosis to define these clinical pictures that are frequently paraneoplastic,2-5

Recently, we saw an 80-year-old man affected by AN, with striking cutaneous and mucosal papillomatosis. Further examination revealed the presence of a pulmonary cancer.

Case report

In June 1997 an 80-year-old Caucasian patient was referred to our Institute of Dermatology at the University of Rome 'La Sapienza' for the presence of diffuse brownish hyperpigmentation and velvety thickening of the skin, associated with moderate itching. These cutaneous alterations had appeared 1 year before and were more evident on his neck, axillae and groins (fig. 1). There were also warty lesions on his upper and lower limbs and papillomatous and verrucous lesions on his lips, mouth and eyelid conjunctivae (fig. 2); also hyperkeratosis of the nipples was evident. The patient was under treatment with flecainide (100 mg/d) and acetylsalicylic acid (0.3 g/d) for blood hypertension and dysrhythmia. No systemic symptoms, including weight loss, were recorded, except for mild dyspnoea

Ten years before this man had undergone partial resection





76 years old man referred from a Emergency Surgery Unit of another Hospital for eruptive, vascular lesions arose in 3 weeks mainly on face, scalp and neck

Laboratory examination were within normal rages

Negative for HBV, HIV, HBV, HCV

1 week before one of the lesion was excised for histologic examination

The patient referred the eruption linked to a laser ablation of a dermic nevus





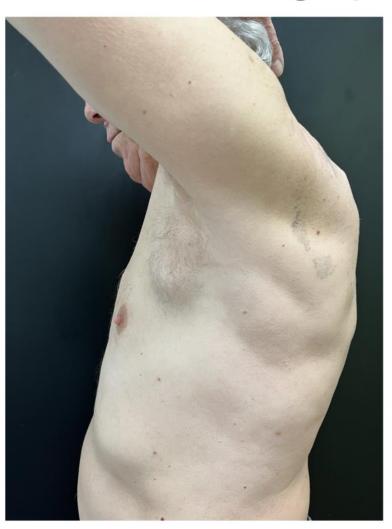




1. A. Giunta. Personal experience, for educational purpose only







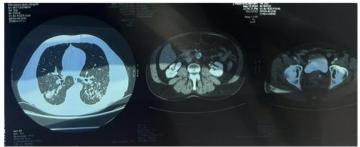
1. A. Giunta. Personal experience, for educational purpose only











Nodular melanoma, non ulcerated, 4 mitoses/mm²

Breslow: 11 mm, Clark: V

pT4aNxMx































Chair

Prof. Luca Bianchi

University of Rome Tor Vergata Prof. Elena Campione, Dr. Marco Galluzzo

Fondazione PTV Policlinico Tor Vergata

Dr. Laura Diluvio, Dr. Cosimo Di Raimondo, Dr. Caterina Lanna, Dr. Alessandro Giunta, Dr. Marina Talamonti

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All the Residents in Dermatology