

Appendix S1

SUPPLEMENTARY MATERIALS AND METHODS

A literature search was conducted according to Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) guidelines within the Medline and SCOPUS databases in March 2021 for cases of pyoderma gangrenosum (PG) in the splenectomy incision without setting time limits, using the terms "pyoderma gangrenosum" and "splenectomy". The search was limited to English, Polish, Spanish and German literature. Articles that did not address the topics were excluded, and the full text of the remaining articles was subsequently reviewed. There were 6 articles meeting the criteria and only in 4 cases PG affected the incised skin. In addition, we decided to look at the papers concerning the coexistence of PG with haemolytic anaemia. A literature search was extended with the use of terms "pyoderma gangrenosum" in conjunction with "hemolytic anemia". Six papers meeting the criteria were found. Finally, a total of 10 articles was analysed (S1–S10, STables I and II).

SUPPLEMENTARY REFERENCES

- S1. Holt PJ, Davies MG, Saunders KC, Nuki G. Pyoderma gangrenosum: clinical and laboratory findings in 15 patients with special reference to polyarthritis. *Medicine (Baltimore)* 1980; 59: 114–133.
- S2. Goulden V, Bond L, Highet AS. Pyoderma gangrenosum as-

- sociated with paroxysmal nocturnal haemoglobinuria. *Clin Exp Dermatol* 1994; 19: 271–273.
- S3. Coors EA, von den Driesch P. Pyoderma gangrenosum in a patient with autoimmune haemolytic anaemia and complement deficiency. *Br J Dermatol* 2000; 143: 154–156.
- S4. Matsubara K, Isoda K, Maeda Y, Mizutani H. Pyoderma gangrenosum associated with paroxysmal nocturnal hemoglobinuria and monoclonal gammopathy. *J Dermatol* 2002; 29: 86–90.
- S5. Kwon HI, Paek JO, Kim JE, Ro YS, Ko JY. Pyoderma Gangrenosum in a Patient with Hereditary Spherocytosis. *Int J Low Extrem Wounds* 2016; 15: 92–95.
- S6. Yang D-H, Yang M-Y. Scrotal Pyoderma Gangrenosum Associated with Evans Syndrome. *J Clin Med*. 2018;7(9):230.
- S7. Kaplan RP, Newman G, Saperia D. Pyoderma gangrenosum and hairy cell leukemia. *J Dermatol Surg Oncol* 1987; 13: 1029–1031.
- S8. Patel P, Topilow A. Images in clinical medicine. Atypical pyoderma gangrenosum in a splenectomy incision. *N Engl J Med* 2002; 347: 1419.
- S9. Tolkachjov SN, Fahy AS, Wetter DA, Brough KR, Bridges AG, Davis MD, et al. Postoperative pyoderma gangrenosum (PG): the Mayo Clinic experience of 20 years from 1994 through 2014. *J Am Acad Dermatol* 2015; 73: 615–622.
- S10. Simsek O, Ulasan K, Orhan A, Kırıs T, Kocael A, Kocael P. Pyoderma gangrenosum with common variable immunodeficiency. *Wounds* 2015; 27: 129–133.

Table I. Patients with pyoderma gangrenosum associated with haemolytic anaemia

Authors (years)	Age, years	Sex	Underlying disorder	Localization	Triggering factor	Treatment
Holt et al., 1980 (S1)	23	Male	Paroxysmal nocturnal haemoglobinuria	Face, back chest	Deterioration of acne vulgaris	Prednisone 20 mg/day
Goulden et al., 1994 (S2)	25	Male	Paroxysmal nocturnal haemoglobinuria	Lower lip	No data	Prednisolone 80 mg/day
Coors et al., 2000 (S3)	27	Male	Autoimmune haemolytic anaemia with complement deficiency	Right lower leg	Minor trauma	Azathioprine 150 mg/day with methylprednisolone 100 mg/day
Matsubara et al., 2002 (S4)	56	Male	Paroxysmal nocturnal haemoglobinuria	Perianal area, back	Surgical drainage	Prednisolone 40 mg/day
Kwon et al., 2015 (S5)	15	Male	Hereditary Spherocytosis	Left leg	Insect bite, minor trauma	Prednisolone 20 mg/day + cyclosporine 300 mg/day + pentoxifylline 800 mg/day
Yang et al., 2018 (S6)	33	Male	Evans syndrome	Scrotum	No data	Methylprednisolone 120 mg/day
Our case	49	Female	Hereditary Spherocytosis	Abdomen	Splenectomy	Methylprednisolone 500 mg/day for 5 days, then 40 mg/day

Table II. Patients who developed pyoderma gangrenosum after splenectomy

Authors (years)	Age, years	Sex	Underlying disorder	Time of development	Primary treatment	Treatment
Kaplan et al., 1987 (S7)	62	Male	Hairy cell leukaemia	7 days	Ampicillin, penicillin	Dapsone 50 mg/day + penicillin + clindamycin
Patel et al., 2002 (S8)	72	Female	Myelofibrosis	No data	No data	Oral corticosteroids
Tolkachjov et al., 2014 (S9)	55	Male	Polycythemia vera	6 days	Empirical antibiotics	Prednisolone 60 mg/day + minocycline 200 mg/day + tacrolimus ointment 0.1%
Simsek et al., 2015 (S10)	28	Male	Common variable immunodeficiency	7 days	Tazobactam-piperacillin, teicoplanin, excision, debridement	Prednisolone 80 mg/day, then azathioprine 150 mg/day
Our case	49	Female	Spherocytosis	4 days	Empiric antibiotics	Methylprednisolone 500 mg/day for 5 days, then 40 mg/day