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**LEMBAR**  
**HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW***  
**KARYA ILMIAH : JURNAL ILMIAH**

**Judul Karya Ilmiah (Artikel)** : Role of micronize purified flavonoid fraction and ethanol *Graptophyllum pictum* extract on experimental anal ulcer healing. Study on Wistar rat

**Jumlah Penulis** : 6 Orang

**Status Pengusul** : Sigit Adi Prasetyo, Yan Wisnu, Eriawan Agung Nugroho, Edi Dharmana, Neni Susilaningih, Ignatius Riwanto.

**Identitas Jurnal Ilmiah** :

- a. Nama Jurnal : Journal of Coloproctology
- b. Nomor ISSN : 22379363
- c. Vol, Nomor, hal. : 40, issue 2, p105-111
- d. Edisi : 2020
- e. Penerbit : Elsevier Editora Ltda.
- g. DOI artikel (jika ada) : <https://doi.org/10.1016/j.jcol.2019.10.008>
- h. Alamat web jurnal : <https://www.scielo.br/pdf/jcol/v40n2/2237-9363-jcol-40-02-0105.pdf>
- i. Terindeks di : Scopus Q4, SJR 0,18, H Index 10
- j. On line turnitin : [https://doc-pak.undip.ac.id/4842/1/TURNITIN\\_Role\\_of\\_micronize.pdf](https://doc-pak.undip.ac.id/4842/1/TURNITIN_Role_of_micronize.pdf)

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- d. **Kelengkapan unsur dan kualitas terbitan/ jurnal**: Jurnal internasional terindex Scopus 4, SJR: 0,18 sehingga nilai maksimal 40

Semarang,  
Reviewer 1



Prof. Dr. dr. Tri Nur Kristina, DMM, M.Kes  
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Unit ilmu :IlmuKedokteran  
Jabatanpangkat : Guru Besar

**LEMBAR**  
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- b. Ruang lingkup dan kedalaman pembahasan : ruang lingkup sesuai dengan bidang keilmuan pengusul tentang penyembuhan anal ulser dengan ekstrak etanol *G. pictum*, pembahasan luas dan dalam serta dibandingkan dengan mensitasi penelitian terdahulu, sehingga jelas manfaat penelitian ini
- c. Kecukupan dan kemutakhiran data/informasi dan metodologi: penelitian eksperimental pada hewan coba, dengan random allocation. Bahan dan cara penelitian diuraikan secara rinci. Data didapat dari hasil pemeriksaan mikroskopis dan laboratories dengan penilaian yang terstandar
- d. Kelengkapan unsur dan kualitas terbitan/ jurnal:  
 Journal of Coloproctology (JCOL) adalah jurnal Internasional terindeks Scopus Q4, SJR 0,18, H indeks 10 diterbitkan oleh The Barzilian Society of Coloproctology

Semarang, 16 Februari 2021

Reviewer 1

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# [Role of micronize purified flavonoid fraction and ethanol Graptophyllum pictum extract on experimental anal ulcer healing. Study on Wistar rat]

## [Papel da fração flavonoica purificada micronizada e do extrato etanólico de Graptophyllum Pictum em experimento de cicatrização de úlcera anal. Estudo com ratos Wistar]

[Prasetyo S.A.<sup>a</sup>](#), [Wisnu Y.<sup>a</sup>](#), [Nugroho E.A.<sup>a</sup>](#), [Dharmana E.<sup>b</sup>](#), [Susilarningsih N.<sup>c</sup>](#), [Riwanto I.<sup>a</sup>](#) ✉
[📁 Save all to author list](#)<sup>a</sup> Diponegoro University, Faculty of Medicine, Department of Surgery, Semarang, Indonesia<sup>b</sup> Diponegoro University, Faculty of Medicine, Department of Parasitology and Immunology, Semarang, Indonesia<sup>c</sup> Diponegoro University, Faculty of Medicine, Department of Histology, Semarang, Indonesia

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Flavonoid mixture (diosmin, troxerutin, rutin, hesperidin, quercetin) in the treatment of I–III degree hemorrhoidal disease: a double-blind multicenter prospective comparative study

Corsale, I. , Carrieri, P. , Martellucci, J. (2018) *International Journal of Colorectal Disease*

Micronized Purified Flavonoid Fraction in Hemorrhoid Disease: A Systematic Review and Meta-Analysis

Sheikh, P. , Lohsiriwat, V. , Shelygin, Y. (2020) *Advances in Therapy*

Graptophyllum pictum (L.) griff. (syn: Justicia picta linn.) and its effectiveness: A well-known indonesian plant

Makkiyah, F. , Rahmi, E.P. , Revina, R. (2021) *Pharmacognosy Journal*

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**Aim of the study:** To evaluate the role of micronized purified flavanoid fraction and ethanol Graptophyllum pictum extract in the treatment of anal ulcer. **Method:** Twenty-eight Wistar rats were randomly allocated into four groups. Groups 2, 3 and 4 the anus were induced with croton oil, but was not induced on group 1. Groups 1 and 2 were treated with normal saline, while groups 3 and 4 were treated with micronized purified flavanoid fraction, and ethanol G. pictum extract, respectively. On 9th days blood sample were taken from the retro-orbital region, and Wistar was killed by cervical dislocation under ether anesthesia. The anal canal was resected up 2 cm from anal opening, weighted, photographically taken to measure the percentage of residual ulcer, and then prepared for microscopic examination. Elisa methods were done for superoxide dismutase and malondialdedhyde. The total leukocyte in the anal specimen was counted under 400 magnification power. superoxide dismutase,

anal coefficient, and total leukocyte for statistical analysis were using ANOVA and LSD, while malondialdehyde and percentage of ulcers were using Kruskal–Wallis and Mann–Whitney. Result: Treatment with ethanol *G. pictum* extract dose of 100 mg/kg BW significantly reduces the percentage of anal ulcer, the edema, leukocyte infiltration, and malondialdehyde, and increase the superoxide dismutase in comparison without treatment. Treatment with micronized purified flavanoid fraction did not reduce the leukocyte, anal coefficient, and percentage of anal ulcer, only increase malondialdehyde and decrease superoxide dismutase significantly. © 2019 Sociedade Brasileira de Coloproctologia

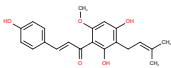
#### Author keywords

Anal ulcer; Ethanol *Graptophyllum pictum* extract; MDA; MPFF; SOD

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- ☐ 1 Ustunova, S., Ergin, B., Gurel, E., Tan, N., Caner, M., Tortum, O., Demirci-Tansel, C.

##### Herbal haemorrhoidal cream for haemorrhoids

(2013) *Chinese Journal of Physiology*, 56 (5). Cited 8 times.

<http://www.cps.org.tw/docs/Vol.%2056%20No.%205%20E-Publication%202.pdf>

doi: 10.4077/CJP.2013.BAB127

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- ☐ 2 AlAjmi, M.F., Al-Hadiya, B.M., El Tahir, K.E.H.  
Some pharmacological actions of *Myrica rubra* part 1: effect on experimentally-induced gastric ulcers, inflammation and haemorrhoids in rats  
(2013) *African J Pharmacy Pharmacol*, 7, pp. 512-516. Cited 2 times.

- ☐ 3 Alonso-Coello, P., Zhou, Q., Martinez-Zapata, M.J., Mills, E., Heels-Ansdell, D., Johanson, J.F., Guyatt, G.

##### Meta-analysis of flavonoids for the treatment of haemorrhoids

(2006) *British Journal of Surgery*, 93 (8), pp. 909-920. Cited 109 times.

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DOI: 10.1055/s-00050098

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Issue 02 • Volume 40 • June 2020 DOI: 10.1055/s-011-50464

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# Journal of Coloproctology

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## Original Article

# Predictive factors for tumour response after the neoadjuvant-treatment of rectal adenocarcinoma



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## ABSTRACT

**Purpose:** Standard of care for locally advanced rectal cancer is neoadjuvant chemoradiotherapy followed by surgery. This study identified predictive factors for tumour response in our series.

**Patients and methods:** Between January 2005 and December 2018, 292 patients with locally advanced rectal cancer treated by preoperative chemo-radiation before surgery were retrospectively analyzed. The radiation dose was 50.4 Gy with fluoropyrimidine-based chemotherapy regimens. Patients-tumour and treatment-factors were tested for influence on tumour down staging and regression grade using Mandard scoring system on surgical specimens (TRG).

**Results:** Median age was 69 years (range 39–87); 33.9% of patients was Stage II and 54.5% Stage IIIB. Tumour down staging occurred in 211 patients (73%), including 63 patients (21.6%) with ypT0 (documented T0 at surgery) and 148 patients (50.7%) with a satisfactory tumour regression grade defined as TRG2–3. Upper rectal tumours were identified to predictive factors for pathologic complete response by univariate analysis ( $p=0.002$ ). TRG1–3 was associated with intervals from chemo-radiation to surgery ( $p=0.004$ ); TRG1–3 rates were higher with longer intervals: 1.71% in  $\leq 5$  weeks, 23.63% in 6–8 weeks and 46.9% in  $\geq 9$  weeks; and PTV 50.4  $\geq 800$ cc ( $p=0.06$ ); 3 and 5 years survivals were 85% and 90% for the group as a whole. Among ypT0 cases, the overall survival was 91.1% without significantly different ( $p=0.25$ ) compared with the remaining group, 87.2%. Among ypT0 cases, the relapse-free survival was 94.5%, with significantly different ( $p=0.03$ ) compared with the remaining group 78.2%. There were no treatment-associated fatalities. Thirty-two patients (10.96%) experienced Grade III/IV toxicities (proctitis, ephitelitis and neutropenia).

**Conclusions:** Tumour localization was identified as predictive factors of pathologic complete response for locally advanced rectal cancer treated with preoperative chemo-radiation. Upper rectal tumours are more likely to develop complete responses. Delay in surgery was identified as a favorable predictive factor for TRG1–3. The relapse-free survival in pathologic complete response group was higher compared with non-pathologic complete response.

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# Journal of Coloproctology

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## Original Article

# Anal abscess microbiology as an anal fistula predictor



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## ARTICLE INFO

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## ABSTRACT

In order to determine the microbiology of anal abscess as a predictor of anal fistulas in patients who attended the external consultation of the Coloproctology unit of the Dr. Antonio María Pineda University Central Hospital, a prospective, descriptive, longitudinal study was conducted from September 2018 to July 2019. In this study, the population consisted of patients with a diagnosis of anal abscess, without associated comorbidities or contraindications for surgery, who agreed to be included in the study. A non-probabilistic, intentional sample consisting of 42 patients was determined. An appointment-based study protocol was applied by outpatient for patients who met the inclusion criteria applied, to perform due medical history through anamnesis, physical examination and culture taking of supuration from the anal abscess to subsequently establish medical and surgical behavior thereof. The results were expressed in absolute numbers and percentages, a prevalence of ischiorectal abscesses was observed, followed by deep post-anal space abscesses. Anaerobic bacteria were isolated in 100% of the sample. In all fistulized patients, *E. Coli* was isolated as a predominant germ.

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## Microbiologia de abscesso anal como preditivo de fístula anal

## R E S U M O

Um estudo prospectivo, descritivo e longitudinal foi realizado de setembro de 2018 a julho 2019 para determinar a microbiologia do abscesso anal como preditivo de fístulas anais em pacientes que compareceram à consulta externa da unidade de Coloproctologia do Hospital Central da Universidade Dr. Antonio María Pineda. Neste estudo, a população foi composta por pacientes com diagnóstico de abscesso anal, sem comorbidades ou contraindicações associadas à cirurgia, que concordaram em participar do estudo. Uma amostra intencional não probabilística, composta por 42 pacientes foi determinada. Um protocolo de estudo

## PALAVRAS-CHAVE:

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