

Alina Varadi¹, Rodica Margaoan²

¹Sanatate Cu Casa Bio Association Cluj-Napoca, Romania

²Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania

Bee products have been utilized by humans since ancient times, with modern science now confirming their significant role in promoting, protecting, and enhancing health. Physicians are increasingly incorporating these products into medical practice with notable success. While nutrition is crucial in maintaining health, bee-derived products as functional foods offer added benefits.

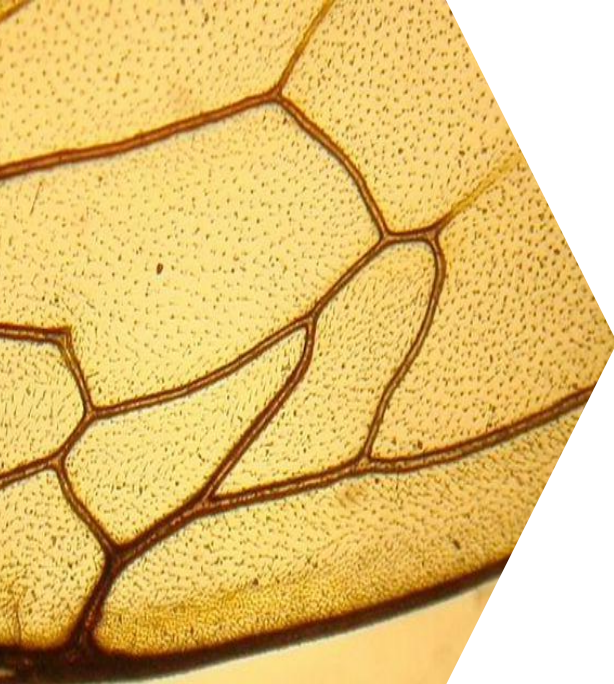
Royal jelly (RJ) has garnered substantial attention for its exceptional properties. It is highly effective in promoting health, expediting recovery from various diseases, and acting as a restorative agent. RJ's value as a natural health supplement is evident in its anti-inflammatory, antimicrobial, and antioxidant properties and its ability to strengthen immunity and improve skin health. These benefits are attributed to its rich composition, including proteins, fatty acids, phenols, minerals, and vitamins.

The quality of RJ is typically assessed by the concentration of 10-hydroxy-2-decenoic acid (10-HDA), which is expected to range from 1.4% to 1.8%. Romanian royal jelly exhibits 10-HDA levels between 2.81% and 3.80%.

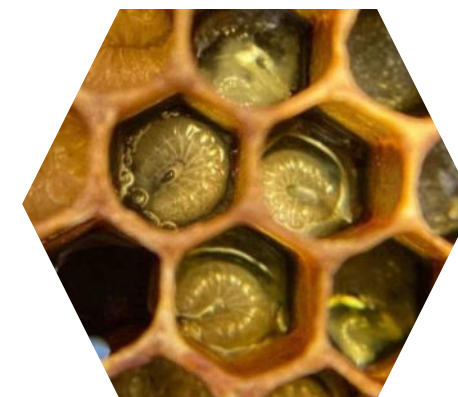
Raw bee pollen and beebread are also rich in essential nutrients, including proteins, carbohydrates, lipids, probiotics, dietary fibers, and bioactive micronutrients such as vitamins, minerals, phenolics, and volatile compounds. Thanks to their comprehensive composition, these products are increasingly valued as functional foods and hold potential for medical applications.

Additionally, bee venom has demonstrated notable anti-inflammatory and anti-tumor properties, among other therapeutic benefits.

This study focuses on the therapeutic effects of select bee products, particularly Romanian royal jelly and bee venom, combined with Api-nutrition, in managing chronic and severe conditions such as diabetic foot ulcers, bedsores, and basal cell carcinoma (BCC). Topical applications of Romanian royal jelly or bee venom have produced impressive outcomes in these cases. Based on our experience, bee products, whether used as functional foods or applied topically as needed, represent a promising and effective approach for treating these conditions.



Results of Topical application of Romanian **Royal Jelly** and **Bee Venom** combined with **Api-nutrition** in chronic severe skin conditions



Eng. Varadi Alina

- ♥ Technician nutritionist
- ♥ Trainer in Api-nutrition
- ♥ Beekeeper
- ♥ Manager

CasaBIO, România,
alina@casabio.ro

Dr. Mirela STRANT

- ♥ Family Medicine Physician,
trainer in
Api-phyto-aromatherapy

CasaBIO, România
drmirela_s@yahoo.com

CSII Margaoan Rodica

- ♥ PHD Researcher, CSII

USAMV, Cluj-Napoca, România,
rodica.margaoan@usamvcluj.ro

The relationship between telomere length and beekeeping among Malaysians

Nurul Fatimah Mohamad Nasir · Thirumulu Ponnuraj Kannan · Siti Amrah Sulaiman · Shaharum Shamsuddin · Ahmad Azlina · Stefan Stangaciu

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Abstract The belief that beekeepers live longer than anyone else is present since ages. However, no research has been done to explore the longevity of life in beekeepers. Here, we investigated the telomere length in 30 male beekeepers and 30 male non-beekeepers and associated them with the longevity of life using Southern analysis of terminal restriction fragments (TRFs) generated by Hinf I/Rsa I digestion of human genomic DNA using *TeloTAGGG* Telomere Length Assay. Interestingly, we found that the telomere length of male beekeepers was significantly longer than those of male non-beekeepers with a p value of less than 0.05,

suggesting that beekeepers may have longer life compared to non-beekeepers. We further found that the consumption of bee products for a long period and frequent consumption of bee products per day are associated with telomere length. An increase of year in consuming bee products is associated with a mean increase in telomere length of 0.258 kbp. In addition, an increase in frequency of eating bee products per day was also associated with a mean increase of 2.66 kbp in telomere length. These results suggested that bee products might play some roles in telomere length maintenance.

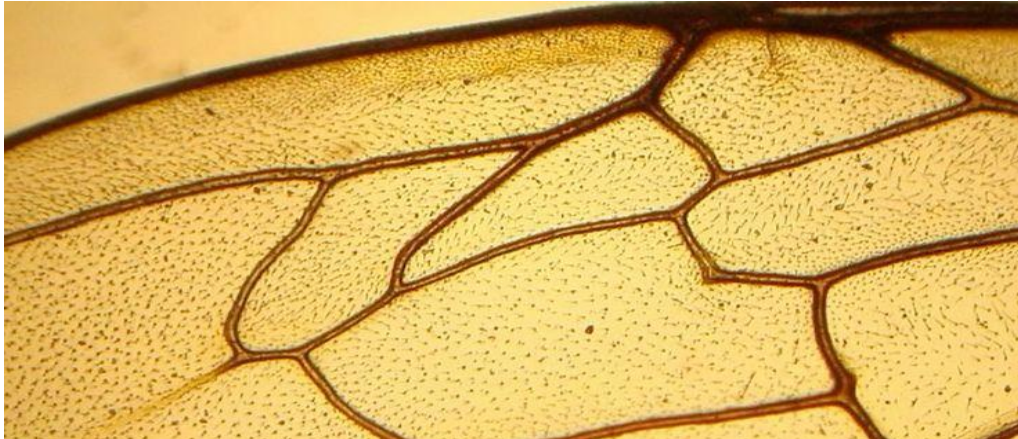
N. F. M. Nasir · T. P. Kannan (✉) · A. Azlina
School of Dental Sciences, Universiti Sains Malaysia,

Keywords Longevity · Beekeeping · Telomere · Southern blot



ysis. Secondly, since telomere length reflects the longevity of life, biologically, this means that beekeepers may have longer life as compared to non-beekeepers. Thirdly, longer telomere length in beekeepers is associated with longer period of bee product consumption. Other than that, frequent consumption of bee products per day is also associated with longer telomere length. Finally, this study suggests that bee product consumption might be beneficial to telomere length maintenance. Further research on a larger cohort study is deemed necessary to support our findings which is also crucial to provide a better understanding in the roles played by bee products in telomere biology, thus offering a new pathway for us to manage ageing and telomere-associated diseases.





Royal Jelly effects

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Review (Derleme)

Mirela STRANT¹ 0000-0002-1170-3348
 Banu YÜCEL² 0000-0003-4911-7720
 Erkan TOPAL³ 0000-0002-1398-4390
 Ana Maria PUSCASU⁴ 0000-0002-8753-5213
 Rodica MARGAOAN⁵ 0000-0002-9246-1677
 Alina VARADI¹ 0000-0002-8455-9842

¹ Association Health with CasaBIO, Cluj-Napoca, Romania

² Ege University, Faculty of Agriculture, Department of Animal Science, Izmir / Turkey,

³ Aegean Agricultural Research Institute, Apiculture Section, Izmir / Turkey/

⁴ Complementary Therapists Association, London, United Kingdom

⁵ Advanced Horticultural Research Institute of Transylvania, Cluj-Napoca, Romania

Corresponding author: topalerkan@tarimorman.gov.tr

Keywords:

Royal jelly, apitherapy, apinutrition, functional food, health.



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Use of Royal Jelly as Functional Food in Human and Animal Health

Arı Sütünün İnsan ve Hayvan Sağlığında Fonksiyonel Gıda Olarak Kullanımı

Alınış (Received): 16.01.2019

Kabul tarihi (Accepted): 08.09.2019

ABSTRACT

Bee products are used as supplements to provide nutrients in prevent or treatment of some health problems. Royal jelly has a rich nutrient contents in bee hive which protects and strengthens the health; compared to other bee products, it has a significant potential and effect. Because of its functional properties, royal jelly is very effective in accelerating the healing process in many diseases. The use of fresh royal jelly in our diets nowadays will help us to be healthy.

This review explains the effects of royal jelly on health, animal trials, and clinical studies for human health. Healthy doses are recommended by apitherapist medical doctors based on clinical observation and personal experience on the doses of use of royal jelly on human health. The review also mentions the positive effects of royal jelly consumption in our daily diet

Nutrients and active components	Amount (%)
Proteins MRJPs (MRJP1-9); rovalsins, jelleines (Jelleinel-IV), aspirin, rovalactina, apolipoprotein-III-like protein	12-15 %
Sugars (glucose, fructose and sucrose)	10-16 %
Lipids (10-HDA, SA, 3,10-HDecDA 8-HOC, 9-HAD, 3-HHDA, 2-DecDA)	3-6 % (44.27 to 66.33 mg/100 g fatty acids)
Phenols (Pinobanksin, octanoic acid, dodecanoic acid, 1,2-benzenedicarboxylic acid and their esters)	23.3 (µg/mg RJ)
Flavonoids (Naringenin, chrysin, acacetin, isorhamnetin glycosides, formononetin)	1.28 (µg/mg RJ)
Free amino acids (Glycine, proline, cysteine and aspartic acid)	
Vitamins (Biotin, folate, inositol, niacin, vitamin B6, pantothenic acid, riboflavin, thiamine and vitamin E)	
Minerals (K, P, Ca, Mg, Fe, Na, Zn, Cu, Cr, Cd)	



Conclusion

[...]
 “Royal jelly, which has great positive effects on health, will make a big contribution in the right place at the right time and at the right dose and doctor’s recommendation to use it.”
 [...]

Average of Nutrients and active components from Royal Jelly

BEE POLLEN COMPOSITION



Nutrients	Amount (%)	Average RDI	RDI for 50 g of bee pollen
Carbohydrates (Fructose, glucose, sucrose)	13–55 %	320 g/day	3.33–15.34
Crude fibre	0.3–20 %	30 g/day	1.00–60.03
Proteins	10–40 %	50 g/day	18.01–73.37
Fats	1–13 %	80 g/day	0.33–13.34
Potassium	400–2000mg/100g	2000 mg/day	16.68–90.04
Phosphorus	80–600 mg/100g	1000 mg/day	6.67–53.36
Calcium	20–300 mg/100g	1100 mg/day	1.67–23.34
Magnesium	20–300 mg/100g	350 mg/day	6.67–76.71
Zinc	3–25 mg/100g	8.5 mg/day	33.35–263.46
Manganese	2–11 mg/100g	3.5 mg/day	50.02–283.47
Iron	1.1–17 mg/100g	12.5 mg/day	6.67–123.39
Copper	0.2–1.6 mg/100g	1.2 mg/day	13.34–120.06
β-Carotene	1–20 mg/100g	0.9 mg/day	100.05–2001
Tocopherol (vit E)	4–32 mg/100g	13 mg/day	26.68–220.11
Niacin (vit B3)	4–11 mg/100g	15 mg/day	23.34–66.70
Pyridoxine (vit B6)	0.2–0.7 mg/100g	1.4 mg/day	13.34–43.35
Thiamine (vit B1)	0.6–1.3 mg/100g	1.1 mg/day	50.03–106.72
Riboflavin (vit B2)	0.6–2 mg/100g	1.3 mg/day	40.02–140.07
Pantothenic acid (vit B5)	0.5–2 mg/100g	6 mg/day	6.67–30.02
Biotin (vit H)	0.05–0.07 mg/100g	0.045 mg/day	100.05–140.07
Folic acid (vit B9)	0.3–1 mg/100g	0.4 mg/day	66.7–223.45
Ascorbic acid (vit C)	7–56 mg/100g	100 mg/day	6.67–50.025

Average bee pollen composition and nutritional requirements as Required Daily Intake (RDI). Bee pollen composition is according to Campos et al. (2008) and RDI are according to the Reports of the Scientific Committee for Food (2010) and Denisow and Denisow-Pietrzyk (2016).

Potential Therapeutic Applications of Bee Venom on Skin Disease and Its Mechanisms: A Literature Review

Haejoong Kim ¹, Soo-Yeon Park ², Gihyun Lee ³

Affiliations + expand

PMID: 31252651 PMCID: [PMC6669657](#) DOI: [10.3390/toxins11070374](#)

Abstract

Skin is larger than any other organ in humans. Like other organs, various bacterial, viral, and inflammatory diseases, as well as cancer, affect the skin. Skin diseases like acne, atopic dermatitis, and psoriasis often reduce the quality of life seriously. Therefore, effective treatment of skin disorders is important despite them not being life-threatening. Conventional medicines for skin diseases include corticosteroids and antimicrobial drugs, which are effective in treating many inflammatory and infectious skin diseases; however, there are growing concerns about the side effects of these therapies, especially during long-term use in relapsing or intractable diseases. Hence, many researchers are trying to develop alternative treatments, especially from natural sources, to resolve these limitations. Bee venom (BV) is an attractive candidate because many experimental and clinical reports show that BV exhibits anti-inflammatory, anti-apoptotic, anti-fibrotic, antibacterial, antiviral, antifungal, and anticancer effects. Here, we review the therapeutic applications of BV in skin diseases, including acne, alopecia, atopic dermatitis, melanoma, morphea, photoaging, psoriasis, wounds, wrinkles, and vitiligo. Moreover, we explore the therapeutic mechanisms of BV in the treatment of skin diseases and cytotoxic effects of BV on skin disease-causing pathogens, including bacteria, fungi and viruses.

Keywords: alternative treatment; bee venom; cutaneous disease; mechanism; skin.



1. FEMALE, 36 years old

finger stuck in car door

Recommended treatment:

- ♥ RJ 10 g./day for 4 days
- ♥ Bee bread 10 g./day- 3 times/week
- ♥ RJ applied locally and then propolis cream 2 times/day alternatively bee venom cream applied on the affected area 2 times/day

Results:

- ♥ 2 min. after I applied RJ direct on the bleeding wound, the bleeding stopped
- ♥ After 1 week a superficial wound is observed and after 10 days it is no longer noticeable at all, the finger regaining its initial functionality



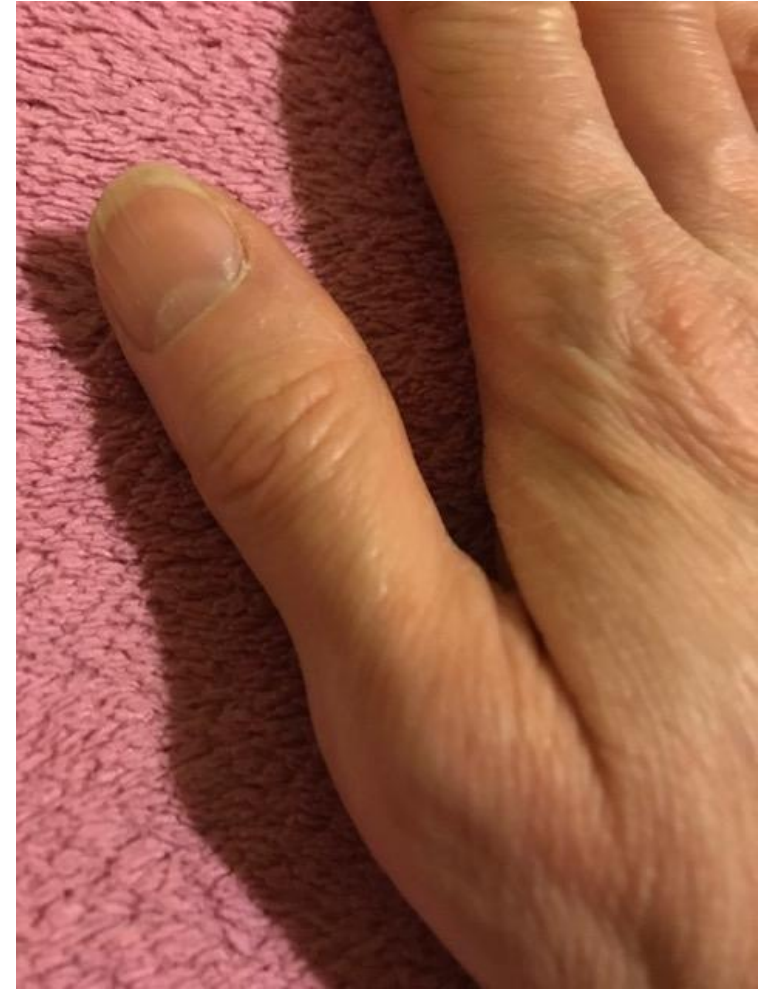
Finger **stuck** in car door



Day 1



Day 3



Day 10

2. FEMALE, 42 years old

hand scalded by steam when lifting a lid from a pot

Recommended treatment:

- ♥ Mixture: 500 g. raw honey, 200 g. raw bee bread, 50 ml propolis 70%, 40 g. Romanian RJ and 10 drops of lemon essential oil – 1 ts/day
- ♥ Raw honey with a 2% concentration of green propolis (57% extract) alternative with Romanian RJ was applied locally

Results:

- ♥ First application with RJ stopped the stinging sensation in just a few minutes
- ♥ After 10 days rapid healing, complete epithelial recovery, without scars



Hand **burnt** with boiling water



Day 1



Day 4



Day 6



Day 8



Day 10

3. FEMALE, 81 years old

diabetic foot ulcers and depression

Recommended treatment:

- ♥ 1 ml of green propolis in capsules once/day
- ♥ RJ applied locally and then propolis cream (aqua Olea europea, Hippophae rhamnoides fruit extract, Cannabis sativa oil, glycerin, propolis extract) 4 times/day and bee venom cream applied around the affected area 2 times/day (apply at least 30 minutes after applying the propolis ointment)

Recommended diet:

- ♥ Replace dairy products with plant-based alternatives, according to the food intolerance test
- ♥ Introduce 5 g. RJ, 5 g. BB/day
- ♥ one ts of cold-pressed hemp oil/day



Diabetic foot **ulcers**



Day 1



Day 4



Day 9



Day 15

4. FEMALE, 37 years old

FOOT BURNT WITH BOILING OIL

Recommended treatment:

♥ Raw honey with a 2% concentration of green propolis (57% extract) was applied around the wound, and Romanian raw was applied directly 3 times/day

Recommended diet:

♥ Replace dairy products with plant-based alternatives, according to the food intolerance test

♥ Introduced 5 g. RJ, 5 g. BB/day

♥ one tablespoon of cold-pressed hemp oil /day



foot **burnt** with boiling oil



Day 1



Day 4



Day 9



Day 12



Day 15

5. Male, 55 years old

basal cell carcinoma, keratin with malignant risk

Recommended treatment:

- ♥ 50 g. bee bread/day
- ♥ 1 tablespoon of cold-pressed hemp oil/day in the evening
- ♥ RJ applied locally and then propolis cream 2 times/day
alternatively: bee venom cream

Recommended Diet:

- ♥ Excluding dairy products and red meat from the diet - according to the food intolerance test
- ♥ Introducing lemonades with honey every day



basal cell carcinoma



Day 1



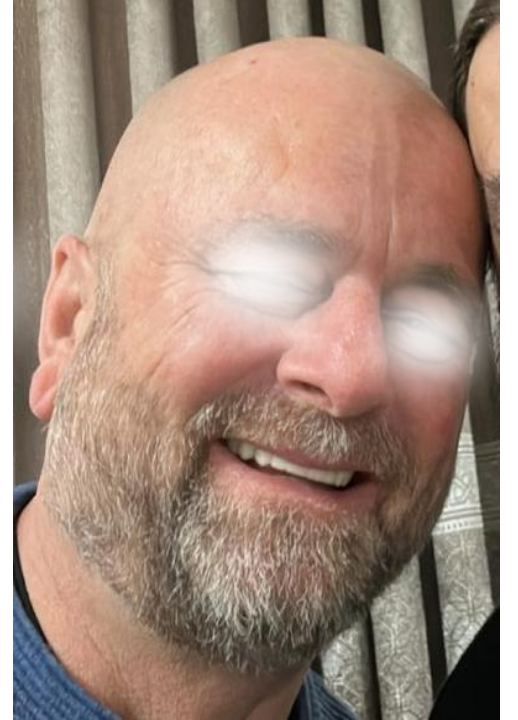
Day 2



Day 3



Day 15



Day 35

6. Male, 15 years old

multiple open wounds and traumas scooter accident impact with a car one week before the 8th grade school exams

Recommended treatment:

- ♥ 10 g. Royal Jelly, 10 g. Bee bread and a ts. of cold-pressed hemp oil/day
- ♥ RJ applied directly to the open wound, then propolis cream 4 times a day
- ♥ on the 2nd day, apply bee venom cream around the wound

Results:

- ♥ After 1 week he went to the exam and passed with a high score
- ♥ Within 24 hours the liver recovered, and within 1 week all wounds were almost completely healed. No obvious scars or superficial scars.



EPICRISIS:

A 15-year-old patient, victim of a road traffic accident (scooter rider hit by a car), presents to our service with a minor cranio-cerebral trauma, excoriated wounds in the right frontal and right zygomatic region, hepatic contusion, multiple wounds at the level of the left elbow and bilateral knee, multiple excoriated wounds on the face, upper limbs, posterior thorax, right iliac crest, and bilateral knee.

The patient is kept under observation in our service, under broad-spectrum antibiotic treatment, anti-inflammatory, analgesic, and hepatic protector.

The patient is kept under observation with a probable discharge in 1–2 days.

RECENZAT
DATA
ANOTAT
DATA
DATA

SPITALUL CLINIC DE COPII CLUJ-NAPOCA

Data Tiparirii: 16/06/2025

Nr. fonic obs.: 41594

BILET DE IEȘIRE DIN SPITAL
scriboria medicala

Pacientul NEMETI STEFAN

A fost internat în secția: Chirurgie
cu diagnosticul:
Traumatism cranio- cerebral minor
Plagi escoriate regiune frontala dreapta si zigomatica dreapta
Contuzie hepatica
Plagi multiple la nivelul cotului stang si genuchiului bilateral
Plagi secoriate multiple faciale, membre superioare, torace posterior, creasta iliaca dreapta, genunchi bilateral
Accident rutier (trotinist lovit de masina)
de la: 16/06/2025 pana la: si iese in stare:

INVESTIGATII:

EPICRIZA:
Pacient in varsta de 15 ani victima a unui accident rutier (trotinist lovit de masina) se prezinta in serviciul nostru cu un traumatism cranio-cerebral minor plagi escoriate regiune frontala dreapta si zigomatica dreapta, contuzie hepatica, plagi multiple la nivelul cotului stang si genuchiului bilateral, plagi secoriate multiple faciale, membre superioare, torace posterior, creasta iliaca dreapta, genunchi bilateral. Pacientul este mentinut sub supraveghere in serviciul nostru sub tratament antibiotic cu spectru larg, antiinflamator, antialgic, protector hepatic.
Pacientul este mentinut sub supraveghere cu probabilitate de externare in 1-2 zile.

RECOMANDARI:

Medic sef sectie/compartiment
Dr. GOCAN HORATIU

Medic curant
Dr. MURESAN RODICA-ANA

DR. HORATIU GOCAN
medic primar
E67935

Dr. Muresan Rodica
medic specialist
chirurgie pediatrica
E67935













CONSILIUL JUDEȚEAN CLUJ
SPITALUL CLINIC DE URGENȚĂ PENTRU COPII
CLUJ-NAPOCA
Str. Moșilor Nr. 66-68, tel.: 0264-597706, fax: 0264-599463
E-mail: office@spitocluj.ro; Web: www.spitocluj.ro
TEL: 4426352



Denumire FAMILIE SPITALUL CLINIC DE COPII
CLUJ-NAPOCA
Medic: MURESAN RODICA-ANA
Contract/convenție nr.: 3
CAS: CAS-CJ
Conform cu anexa 43

SCRISOARE MEDICALA/BILET DE IESIRE DIN SPITAL

Pacientul NEMETI STEFAN ALEXANDRU, nascut(a) la data de 23/04/2010 cu CNP 5100423125809, cu domiciliul in CLUJ,CLUJ-NAPOCA,BUSUIOCULUI, NR.45 E Numar Telefon: 0720401755 a fost spitalizat(a) in serviciul nostru, in sectia: **Chirurgie** in perioada: 16.06.2025 - 17.06.2025 nr. F.O. 41594

>

Motivele prezentarii:

Pacient diagnosticat cu afectiune oncologica DA [] / NU [X]

Diagnostic la externare:

Traumatism cranio-cerebral minor cu risc mediu
Plagi escoriate regiune frontala dreapta si zigomatica dreapta
Contuzie hepatica
Plagi delabrante multiple la nivelul cotului stang si genunchiului bilateral
Plagi escoriate multiple faciale, membre superioare, torace posterior, creasta iliac dreapta, genuchi bilateral
Accident rutier (trocinist lovit de masina)

Stare externare: ameliorat

ANALIZE LABORATOR

17/06/2025 HEMOLEUCOGRAMA (sange integral) Citometrie de flux, impedanta, colorimetrie							
Denumire	Rezultat	U.M.	Interval biologic de referinta	Denumire	Rezultat	U.M.	Interval biologic de referinta
Nr. leucocite	10,91	x10 ⁹ /μl	4.50 - 13.00	Hemoglobina	15.1	g/dl	11.7 - 16.6
Linfocite%	19.6	%	20.0 - 55.0	Hematocrit	45.7	%	37.0 - 48.0
Neutrofile%	69.5	%	40.0 - 75.0	HEM	33.9	fl	79.0 - 93.0
Eozinofile%	0.0	%	0.0 - 7.0	HEM	27.7	pg	27.0 - 32.0
Monocite%	10.0	%	0.0 - 13.0	CHCM	32.0	g/dl	32.0 - 36.0
Imofile%	0.3	%	0.0 - 2.0	RDW-CV	13.5	%	11.5 - 14.0
Linfocite#	2.14	x10 ⁹ /μl	1.5 - 6.5	RDW-SD	40.3	f	29.0 - 46.0
Neutrofile#	7.56	x10 ⁹ /μl	1.8 - 8.0	Nr trombocite	307	x10 ⁹ /μl	150 - 450
Eozinofile#	0.07	x10 ⁹ /μl	0.0 - 0.7	MPV	8.0	fl	7.4 - 13.0
Monocite#	1.09	x10 ⁹ /μl	0.0 - 1.0	PDW	15.8	-	8.0 - 17.5
Imofile#	0.03	x10 ⁹ /μl	0.00 - 0.20	Trombocit	0.273	%	
Nr hematii	5.43	x10 ⁶ /μl	4.20 - 5.60	P-LCR	19.0	%	12.0 - 42.3

17/06/2025 BIOCHIMIE (ser) Potentiometrie ISE			
Denumire	Rezultat	U.M.	Interval biologic de referinta
Sodie*	141.0	mmol/l	136.00 - 144.00

17/06/2025 BIOCHIMIE (ser) Spectrofotometrie			
Denumire	Rezultat	U.M.	Interval biologic de referinta
AST*	29	U/l	<35.00
ALT*	46	U/l	<45.00
Creatinina*	0.70	mg/dl	0.50 - 1.00
Uree*	23	mg/dl	15.00 - 38.00
Bilirubina totala*	1.81	mg/dl	0.10 - 1.20
Bilirubina directa*	0.42	mg/dl	<0.30
Amilaza*	43	U/l	28.00 - 100.00

RADIOLOGIE

CONSULTURI INTERCLINICE

EPICRIZA

Pacient in varsta de 15 ani victima a unui accident rutier (trocinist lovit de masina) se prezinta in serviciul nostru cu un traumatism cranio- cerebral minor, plagi escoriate regiune frontala dreapta si zigomatica dreapta, contuzie hepatica, plagi multiple la nivelul cotului stang si genunchiului bilateral, plagi secoriate multiple faciale, membre superioare, torace posterior, creasta iliac dreapta, genuchi bilateral. Biologie -sindrom de hepatocitoliza. In urma examenului clinic si biologice se decide mentinerea sub supraveghere in serviciul nostru sub tratament antibiotic cu spectru larg, antiinflamator, antialgic, protector hepatic. Pacientul este mentinut sub supraveghere cu probabilitate de externare in 1-2 zile. Evolutia pe parcursul internarii este una favorabila si se externaza cu stare generala buna, afebril, stabil hemodinamic si respirator, tranzit prezent, diureza prezenta spontana.

Tratatamentul recomandat

- repus fizic
- stolietia locala cu sol Betadine zilnic
- tratament antiinflamator Nurofen cpr 400 mg, 3x1 cpr/zi, timp de 3 zile
- respecta tratamentul conform Rp
- tratament hepatoprotector Liv 52 cpr, 2x1 cpr/zi, timp de 2 saptamani
- reevaluare in data de 19.06.2025 la ora 08:30 conform intelegerii cu medicul curant sau mai devreme la nevoie

Nota: Se va specifica durata pentru care se poate prescrie de medicul din ambulatoriu, inclusiv medicul de familie, fiecare dintre medicamentele recomandate.

Indicatie de revenire pentru internare

☐ da, revine pentru internare in termen de

☒ Nu este necesara revenirea la internare

Se completeaza obligatoriu una din cele trei informatii:

☒ S-a eliberat prescriptie medicala, caz in care se va inscrie seria si numarul acesteia NCJKBE 18587

☐ Nu s-a eliberat prescriptie medicala deoarece nu a fost necesar.

☐ Nu s-a eliberat prescriptie medicala.

Se completeaza obligatoriu una din cele doua informatii:

☐ S-a eliberat concediu medical la externare, caz in care se va inscrie seria si numarul acestuia

☐ Nu s-a eliberat concediu medical la externare deoarece nu a fost necesar.

8



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LABORATOR DE ANALIZE MEDICALE
Str. Căpăna nr. 3-5, nr. Cluj-Napoca nr. 2-4
Tel: 0264-132216, int. 131
E-mail: laborator@spitocluj.ro

BULETIN DE ANALIZE MEDICALE 53662/ 21.06.2025

Data efectuării examenilor: 21 iunie 2025 Data și ora recoltării: 21 iunie 2025 11:44
Nume Pacient: NEMETI STEFAN ALEXANDRU Localitate: CLUJ-NAPOCA, Cluj Vârsta: 15 ani 2 luni
Sectia: Garda Chirurgie
Trimis de Dr. Muresan Rodica-Ana Nr FO: 144895 Finantare spital
Cod Proba: 53662 CNP: 5100423125809
Natura si starea esantionului primit: conforma
Pagina 1 din 2
Raportul a fost eliberat la 21 iunie 2025 ora 12:35

HEMOLUCOGRAMA (sange integral) Citometrie de flux, impedanta, colorimetrie			
Nume analiza	Rezultat	U.M.	Int.de ref.
Nr. leucocite	6.64	x10 ⁹ /μl	4.30 - 13.00
Linfocite%	36.4	%	20.0 - 55.0
Neutrofile%	53.2	%	40.0 - 75.0
Eozinofile%	5.1	%	0.0 - 7.0
Monocite%	5.1	%	0.0 - 13.0
Imofile%	0.2	%	0.0 - 2.0
Linfocite#	2.4	x10 ⁹ /μl	1.5 - 6.5
Neutrofile#	3.5	x10 ⁹ /μl	1.8 - 8.0
Eozinofile#	0.3	x10 ⁹ /μl	0.0 - 0.7
Monocite#	0.3	x10 ⁹ /μl	0.0 - 1.0
Imofile#	0.02	x10 ⁹ /μl	0.00 - 0.20
Nr hematii	5.28	x10 ⁶ /μl	4.20 - 5.60

Examinari efectuate pe analizoare Mindray 6800*

Examinari laurate de: Chim. med. principal Nierges Laura;

BIOCHIMIE (ser) Spectrofotometrie			
Nume analiza	Rezultat	U.M.	Interval de referinta
AST*	41	U/l	<35.00
ALT*	28	U/l	<45.00
Creatinina*	0.80	mg/dl	0.50 - 1.00
Uree*	35	mg/dl	15.00 - 38.00
Amilaza*	46	U/l	28.00 - 100.00

Examinari efectuate pe analizoare JOHNSON AND JOHNSON VITROS XT 3400

Examinari laurate de: Chim. med. principal Nierges Laura;

Examinatiile biologice recoltate extern de
Lista de lucru introdusa de: Sectia Chirurgie
Raport tipărit de: Dr. Muresan Rodica-Ana la data de 21 iunie 2025 ora 12:35

Autorizare eliberare buletin analize: Sef Laborator Dr. Gal Anca

VALORI CRITICE / DE ALERTA:

WBC<1.5 sau >50x10⁹/μl; HB<5 sau >18g/dl; PLT<50 sau >1.000x10⁹/μl; VSH>100mm/h; INR>4; APTT>70 sec; Fibrinogen<60 sau >700mg/dl; Clou nascent<30 mg/dl; Copii<40 mg/dl; Adulti: B<50 mg/dl; F<40 mg/dl sau Nou nascuti>325 mg/dl; Copii>450 mg/dl; Adulti>450 mg/dl; ALT/AST>1000 U/L; UREA>340 mg/dl; CREA: Copii 2 3.8 mg/dl; Adulti 2 5 mg/dl; PT>3g/dl; ALB<1.5g/dl; FA>1000U/L; AMYL>300U/L LDH>1000U/L; CPK>10000U/L; Na<120 sau >160 mmol/l; K<2.5 sau >7mmol/l; Cl<70 sau >120mmol/l; CaTot<6 sau >13mg/dl; MG<1sau>4.7 mg/dl; FE<5 sau >300μg/dl; P<1 sau >9mg/dl; TRIG>500mg/dl; Acid uric >13mg/dl; Bilirdi: >10 mg/dl; BilTot >15 mg/dl; Lipeza >600 U/L; LDH >1000 U/L; Alfa1-AT<50 mg/dl; CRP >50mg/dl

Acest buletin de analize medicale are un total de 1 pagini si a fost tipărit la 21 iunie 2025 ora 12:35

Analize marcate cu * nu sunt semnificate DINAR

- ☒ Nu s-a eliberat concediu medical la externare.
Se completeaza obligatoriu una din cele doua informatii:
☐ S-a eliberat recomandare pentru ingrijiri medicale la domiciliu/paliative la domiciliu.
☒ Nu s-a eliberat recomandare pentru ingrijiri medicale la domiciliu/paliative la domiciliu, deoarece nu a fost necesar.
Se completeaza obligatoriu una din cele doua informatii:
☐ S-a eliberat prescriptie medicala pentru dispozitive medicale in ambulatoriu.
☒ Nu s-a eliberat prescriptie medicala pentru dispozitive medicale in ambulatoriu deoarece nu a fost necesar.

Data: 17.06.2025

Semnatura si parafa
medicului sef sectii/compartiment
GOCAN HORATIU

Semnatura si parafa
medicului curant
MURESAN RODICA-ANA

Semnatura si parafa
medicului resident

Cale de transmitere:
- prin asigurat
- prin posta

*) Scrisoarea medicala se întocmeste in doua exemplare, din care un exemplar ramane la medicul care a efectuat consultatiile/serviciul in ambulatoriul de specialitate, iar un exemplar este transmis medicului de familie/medicului de specialitate din ambulatoriul de specialitate. Scrisoarea medicala sau biletul de insire din spital sunt documente tipizate care se întocmesc la data externării, într-un singur exemplar care este transmis medicului de familie/medicului de specialitate din ambulatoriul de specialitate, direct ori prin intermediul asiguratului;

17/06/2025 HEMOLEUCOGRAMA (sange integral) Citometrie de flux, impedanta, colorimetrie

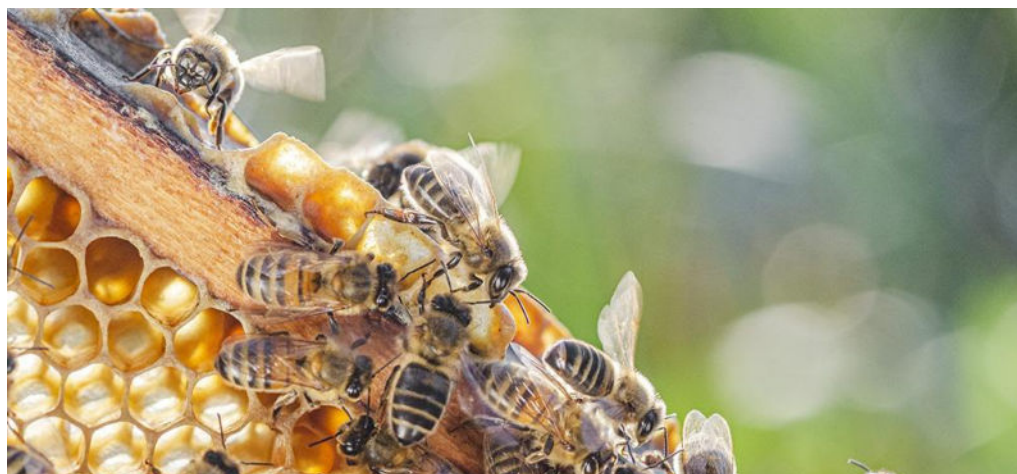
Denumire	Rezultat	U.M.	Interval biologic de referinta	Denumire	Rezultat	U.M.	Interval biologic de referinta
Nr. leucocite	10,91	$\times 10^3/\mu\text{l}$	4.50 - 13.00	Hemoglobina	15,1	g/dl	11.7 - 16.6
Limfocite%	19,6	%	20.0 - 55.0	Hematocrit	45,7	%	37.0 - 48.0
Neutrofile%	69,5	%	40.0 - 75.0	VEM	83,9	fL	79.0 - 95.0
Eozinofile%	0,6	%	0.0 - 7.0	HEM	27,7	pg	27.0 - 32.0
Monocite%	10,0	%	0.0 - 15.0	CHEM	33,0	g/dl	32.0 - 36.0
Bazofile%	0,3	%	0.0 - 2.0	RDW-CV	13,5	%	11.5 - 14.0
Limfocite#	2,14	$\times 10^3/\mu\text{l}$	1.5 - 6.5	RDW-SD	40,3	fL	29.0 - 46.0
Neutrofile#	7,58	$\times 10^3/\mu\text{l}$	1.8 - 8.0	Nr trombocite	307	$\times 10^3/\mu\text{l}$	150 - 450
Eozinofile#	0,07	$\times 10^3/\mu\text{l}$	0.0 - 0.7	MPV	8,9	fL	7.4 - 13.0
Monocite#	1,09	$\times 10^3/\mu\text{l}$	0.0 - 1.0	PDW	15,8	-	8.0 - 17.5
Bazofile#	0,03	$\times 10^3/\mu\text{l}$	0.00 - 0.20	Trombocrit	0,273	%	
Nr hematii	5,45	$\times 10^6/\mu\text{l}$	4.20 - 5.60	P-LCR	19,0	%	12.0 - 42.3

17/06/2025 BIOCHIMIE (ser) Potentiometrie ISE

Denumire	Rezultat	U.M.	Interval biologic de referinta
Sodiu*	141,0	mmol/l	136.00 - 144.00
Potasiu*	5,0	mmol/l	3.50 - 5.10
Clor*	111,0	mmol/L	102.00 - 112.00

17/06/2025 BIOCHIMIE (ser) Spectrofotometrie

Denumire	Rezultat	U.M.	Interval biologic de referinta
AST*	39	U/l	<35.00
ALT*	46	U/l	<45.00
Creatinina*	0.70	mg/dl	0.50 - 1.00
Uree*	23	mg/dl	15.00 - 38.00
Bilirubina totala*	1.81	mg/dl	0.10 - 1.20
Bilirubina directa*	0.42	mg/dl	<0.30
Amilaza*	45	U/l	28.00 - 100.00



HEMOLEUCOGRAMA (sange integral) Citometrie de flux, impedanta, colorimetrie

Nume analiza	Rezultat	U.M.	Int.de ref.
Nr. leucocite	6.64	$\times 10^3/\mu\text{l}$	4.50 - 13.00
Limfocite%	36.4	%	20.0 - 55.0
Neutrofile%	53.2	%	40.0 - 75.0
Eozinofile%	5.1	%	0.0 - 7.0
Monocite%	5.1	%	0.0 - 15.0
Bazofile%	0.2	%	0.0 - 2.0
Limfocite#	2.4	$\times 10^3/\mu\text{l}$	1.5 - 6.5
Neutrofile#	3.5	$\times 10^3/\mu\text{l}$	1.8 - 8.0
Eozinofile#	0.3	$\times 10^3/\mu\text{l}$	0.0 - 0.7
Monocite#	0.3	$\times 10^3/\mu\text{l}$	0.0 - 1.0
Bazofile#	0.02	$\times 10^3/\mu\text{l}$	0.00 - 0.20
Nr hematii	5.28	$\times 10^6/\mu\text{l}$	4.20 - 5.60

Nume analiza	Rezultat	U.M.	Int.de ref.
Hemoglobina	14.9	g/dl	11.7 - 16.6
Hematocrit	44.0	%	37.0 - 48.0
VEM	83.3	fL	79.0 - 95.0
HEM	28.2	pg	27.0 - 32.0
CHEM	33.9	g/dl	32.0 - 36.0
RDW-CV	13.0	%	11.5 - 14.0
RDW-SD	38.8	fL	29.0 - 46.0
Nr trombocite	324	$\times 10^3/\mu\text{l}$	150 - 450
Trombocrit	0.276	%	0.20-0.36
MPV	8.5	fL	7.4 - 13.0
PDW	15.8	-	8.0 - 17.5
P-LCR	16.9	%	12.0 - 42.3

Examinari efectuate pe analizorul Mindray 6800*

Examinari lucrate de: Chim. med. principal Nierges Laura;

BIOCHIMIE (ser) Spectrofotometrie

Nume analiza	Rezultat	U.M.	Interval de referinta
AST*	41	U/l	<35.00
ALT*	28	U/l	<45.00
Creatinina*	0.80	mg/dl	0.50 - 1.00
Uree*	35	mg/dl	15.00 - 38.00
Amilaza*	46	U/l	28.00 - 100.00

MIXTURE OF DIFFERENT BEE PRODUCTS CAN HELP PEOPLE WITH VARIOUS HEALTH PROBLEMS and promote faster recovery

♥ 1 Kg raw honey, 500 gr fresh bee pollen OR 300 gr fresh bee bread, 20 ml green propolis extract minimum 50%, 50 ml soft brown propolis extract 70%, 40 gr royal jelly OR 40 gr fresh queen larvae or 50 gr lyophilized apilarnil, 10 drops of lemon essential oil

Dose: 1 tablespoon for 30 kg body weight/day

Benefits: good immunity, quick recovery, good general condition both mentally and physically



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Thank
You ♥