

ISSN: 2347-9507 (Print)
ISSN: 2347-6559 (Online)

Scholars Journal of Medical Case Reports

Abbreviated key title: Sch. J. Med. Case. Rep.



SAS Publishers

Editor-In-Chief



Dr. Gan Siew Hua

Director, Human Genome Centre, School of
Medical Sciences, Universiti Sains Malaysia, 16150
Kubang Kerian, Kelantan, Malaysia

Associate Editorial Board



Prof. Senthilkumar Thiyagarajan

Associate Editor

*Professor, Head Of The Department, Department Of Musculoskeletal And Sports, The Oxford
College Of Physiotherapy, Bangalore. India*



Dr. Wagih M Ghnnam

Associate Editor

Ass.Professor Of General Surgery, Faculty of Medicine, Mansoura University, Egypt



Dr Vijay Shankar S

Associate Editor

*Professor And Hod, Department Of Pathology Adichunchanagiri Institute Of Medical Sciences
B G Nagara Mandya District, Karnataka, India*



Dr. (Mrs.) Sanjita Das

Associate Editor

*HOD, Pharmacology, Noida Institute of Engineering and Technology, Greater Noida,
UP-201206, India*

**Dr. Mohd. Shahbaaz Khan**

Associate Editor

Assistant Consultant Cardiac Surgeon, King Salman Heart Centre, King Fahad Medical City, Riyadh, Kingdom of Saudi Arabia

**Dr. Hamid Osman Hamid**

Associate Editor

Associate Professor of Medical physics, Radiologic Science Department, College of Applied Medical Science, Taif University, Taif, KSA

**Dr. Soumya Mishra**

Associate Editor

Assistant Professor, Department of Physiology, KIMS, KIIT University, Bhubaneswar, Odisha, India

**Dr. Dharmveer Yadav**

Associate Editor

Associate Professor, Department Of Biochemistry, S.M.S Medical College, Jaipur, Rajasthan, India

**Dr. Naveen Kumar**

Associate Editor

Faculty Of Anatomy, Melaka Manipal Medical College (Manipal Campus), Manipal University, Manipal. Karnataka India

**Amin Ahmed ElbadawiElzaki**

Associate Editor

Associated Professor of Radiography & Nuclear Medicine Technology, Taif University, Taif, KSA

**Dr. B. Madhavulu**

Associate Editor

Associate Professor Department Of Pharmacology & Therapeutics, Narayana Medical College & Hospital , Nellore, Andhra Pradesh, India

**Dr SaurabhSrivastava**

Associate Editor

Post-Doctoral Research Fellow, Dept of Cellular & Molecular Medicine ,University of California, San DiegoCA-92093, USA

**Dr. Saadeldin Ahmed Idris**

Associate Editor

Associate professor, Department of Surgery, Faculty of Medicine, AlzaeimAlazhari University, Khartoum, Sudan

**Dr. Prasanna Dahal**

Associate Editor

Asst. professor (Clinical Pharmacy), Purbanchal University, College of Medical and allied Science Gothgaun, Morang , Nepal

**Dr Manjunath SH**

Associate Editor

Senior Lecturer, Department Of Periodontology, SMBT Dental College and Hospital, Sangamner, Maharashtra, India

**Dr. Jithesh M**

Associate Editor

Associate Professor Department of Kayachikitsa& PG Studies in Manasroga, Vaidyaratnam PS Varier Ayurveda College, Kottakkal, Kerala, India

**Dr. Anirudda Deshpande**

Associate Editor

Consultant Neurologist, VinayakaNeuro Multispecialty Centre, Rohini Hospital, Max Care Hospital, Aditya Hospital & Jaya Hospital, Hanamakonda, Warangal, Telangana, India.

**Dr. Gokul Krishna Reddy Nune**

Associate Editor

Assistant Professor, Dept. of Anatomy, NRI Academy of Medical Sciences, Mangalagiri, Andhra Pradesh, India

**Dr. Rachad Alnamer**

Associate Editor

Faculty of Medicine and Pharmacy, University of Tamar, Yemen Faculty of Medicine and Pharmacy of Rabat, Morocco BP 6203, Rabat Institutes

**Dr. Rajendra Prasad Takhar**

Associate Editor

Assistant Professor, Department of Respiratory Medicine, Government Medical College, Kota, Rajasthan, India



Dr. Balaji N. Asegaonkar

Associate Editor

Department of Anesthesiology, M.G.M. Medical College, Aurangabad, Maharashtra, India



Dr. Aneek Das Bhowmik

Associate Editor

Project Investigator Diagnostic Division of Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad, India.



Obeagu, Emmanuel Ifeanyi

Associate Editor

Department of Health Services, Michael Okpara University Of Agriculture, Umudike, Abia State, Nigeria



Dr. Raktim Pratim Tamuli

Associate Editor

Demonstrator Forensic Medicine & Toxicology Gauhati Medical College, Assam



Dr. Shahid Shah Chaudhary

Associate Editor

Assistant Professor, Department Of Ilmuladvia (Unani Pharmacology), School Of Unani Medicine, Jamiahamdard (Hamdard University), New Delhi, India



Dr. Chris Thomas

Associate Editor

Assistant Professor Psychiatry Nursing Saroj Lalji Mehrotra Global Nursing College Talhati, Aburoad- 307510 Rajasthan, India



Dr. Nupur Hooja

Associate Editor

Professor, Gynae And Obst, S.M.S. Medical College, Jaipur, Rajasthan, India



Dr. Preetirihal Chakrabarti

Associate Editor

Associate Professor, Department of Pathology, Sri Aurobindo Medical College and PG Institute, Indore, Madhya Pradesh, India



Dr. MohdNormani Zakaria

Associate Editor

Audiology And Speech Pathology Programme, UniversitiSains Malaysia



Fatemeh Khajeh

Associate Editor

Dept. Of Pathology, Fasa University Of Medical Sciences, Avesina Square, Fasa, Fars, Iran



Dilip Kumar Pal

Associate Editor

Department Of Urology, Institute Of Post Graduate Medical Education & Research, 244, A/c Bose Road, Kolkata-700020, India



Dr. B. Senthil Kumar

Associate Editor

Lecturer, Department Of Anatomy, Vmkv Medical College, Salem, Tamilnadu, India.



Dr. Swarnagowri B.N

Associate Editor

Professor And Hod, Department Of Pathology, Sapthagiri Institute Of Medical Sciences And Research Centre, Hesargatta, Bangalore, India



Dr Rajiv Saini

Associate Editor

Department of Periodontology, Pravara Institute of Medical Sciences, Loni, Maharashtra, India



Dr. Bernard M. Ndungu

Associate Editor

Senior Lecturer, School Of Medicine, University Of Nairobi & Consultant General, Laparoscopic (Gi/Hernia) and Bariatric/Metabolic Surgeon, Nairobi, Kenya



Dr. Tanjir Rashid Soron

Associate Editor

Cyberpsychology Research And Consultation Center, Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka, Bangladesh.



Dr.Saber Mohamed Abd-Allah

Associate Editor

Scientist, Shanghai Institute of Biochemistry and Cell Biology, China



Dr Dhiraj B Nikumbh

Associate Editor

Professor, Dept Of Pathology Acpm Medical College, Dhule, India-424001



Maikaje Dominic Bawa

Associate Editor

Senior Lecturer, Department of Biological Sciences, Nigerian Defence Academy, PMB 2109, Kaduna, Nigeria



Dr. Dibyajyoti Saha

Associate Editor

Associate Professor & Chairman, Department Of Pharmacy, BGC Trust University Bangladesh, Chittagong, Bangladesh



Dr. Bindu Sharma

Associate Editor

Associate Professor, Department Of Biochemistry, Subharti Medical College, Meerut(Up)-250005, India



Dr A. Bhagyalakshmi

Associate Editor

Professor and Head, Department of Pathology, Andhra Medical College, Visakhapatnam, Andhra Pradesh, India



R. Aravind Kumar

Associate Editor

Assistant Professor of Physiology, MelmaruvathurAdiparasakthi Institute Of Medical Sciences, Melmaruvathur, Kanchipuram, Tamilnadu, India



Dr. Sanchit Jain

Associate Editor

Assistant Professor, Department of General Surgery, RUHS College of Medical Sciences, Jaipur, Rajasthan, India

**Dr. Amol R Patil**

Associate Editor

Assistant Professor, Department of Preventive & Social Medicine, SBH Govt. Medical College, Dhule, North Maharashtra, India

**Dr. Bindu Sharma**

Associate Editor

Department Of Biochemistry, VarunArjun Medical College & Rohilkhand Hospital, Banthra, Shahjahanpur, U.P, India

**Dr. Ameya Bihani**

Associate Editor

Department of ENT and head and neck surgery, KEM hospital. Mumbai, India

**Alfredo Procino**

Associate Editor

Assistant Professor, Dep. Neuroscience, Odontostomatological and Maxillofacial, Università degli Studi di Napoli Federico II Napoli, Italy

**Dr. Ihab Hamed Nouredin Hamed**

Associate Editor

Assistant professor of Histopathology and Cytology. Department of histopathology and Cytology Faculty of Applied Medical Sciences. Najran University, KSA.

**Dr. Ramandeep Singh**

Associate Editor

Department of Otolaryngology Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, India

**Dr. Rajiv Kumar Chawla**

Associate Editor

Consultant in Department of Microbiology in Delhi Heart Institute & Multispecialty Hospital, Bathinda, Punjab, India

**Dr. Debmalya Bhattacharya**

Associate Editor

University of Technology & Management, Laitumkhrah, Shillong, Meghalaya, India

**Dr Amita K**

Associate Editor

Associate Professor Department Of Pathology Adichunchanagiri Institute Of Medical Sciences, BG Nagara .Nagamangalataluk Mandya 571448 Karnataka, India

**Dr. Devajit Sarmah**

Associate Editor

Assistant professor & Clinical laboratory In-charge, NABL Auditor, Principal Investigator, Department of Biochemistry, R D Gardi Medical College, India

**Dr. Thangam Sudha Velayutham**

Associate Editor

University Of Texas Medical Branch (Utmh), Texas, USA

**Prof. Dr. Haritosh K. Velankar**

Associate Editor

Prof & Head Dept Of ENT, Pad Dr D Y Patil Medical College, Hospital & Research Center. Nerul, Navi Mumbai, India

**Dr. Bibhas Kar**

Associate Editor

Centre For Genetic Studies & Research, The Madras Medical Mission, Chennai – 600037, Tamilnadu, India

**Dr. Olumide Abiodun**

Associate Editor

Department of Community Medicine, Babcock University Teaching Hospital, Ilishan, Ogun State, Nigeria

**Dr. Tejas Mohan Tamhane**

Associate Editor

Fellow, Body Imaging, Topiwala National Medical College and BYL Nair Charitable Hospital, Mumbai Maharashtra, India

**Dr. Purushottam A. Giri**

Associate Editor

Associate Professor, Dept. of Community Medicine, Rural Medical College of Pravara, Institute of Medical Sciences (Deemed University), Loni, Maharashtra, India

**MosabNouraldein Mohammed Hamad**

Associate Editor

Head Of Parasitology And Medical Entomology Department, Department Of Medical Laboratory Sciences, Faculty Of Health Sciences, ElsheikhAbdallahElbadri University, Sudan

**Dr. Neha Adlakha**

Associate Editor

Senior Resident Depatrmnt of Ophthalmology Shyam Shah Medical College, Rewa, Madhya Pradesh, India

**Dr. Gamil Sayed Gamil Zeedan**

Associate Editor

Associate Professor of virology at National Research Center, Cairo

**Dr Wani Mena**

Associate Editor

Ophthalmologist Juba Teaching Hospital, Juba South Sudan

**Dr. Hardik Prajapati**

Associate Editor

Dental Surgeon, Community health centre, Borsad District, Anand Gujarat, India

**Dr. B. Rajsekhar**

Associate Editor

Professor And Head, Department Of Pathology, VarunArjun Medical College, Banthra, Shahjhanpur, Uttar Pradesh, India

**Prof. Mohammed Rageeb Mohammed Usman**

Associate Editor

Asst. Professor (Pharmacognosy), Smt. S. S. Patil College of Pharmacy, Chopda, Maharashtra, India North Maharashtra University, Jalgaon, Maharashtra, India

**Dr. Paul John Nwolim**

Associate Editor

Department of Anatomy University of Port Harcourt, Port Harcourt, Nigeria

**Dr. Sandeep Kumar Kar**

Associate Editor

Kar Assistant Professor, Super specialty department of Cardiac Anaesthesiology, Institute of Postgraduate Medical Education & Research, and Kolkata, India

**Dr. Hajare Ashok A**

Associate Editor

Bharati Vidyapeeth, College of Pharmacy, Near Chitranagari, Kolhapur-416 013, India

**Dr. Sudheer Kumar Arava**

Associate Editor

Assistant Professor. Dept Of Pathology. All India Institute Of Medical Sciences. New Delhi-110029 India

**Dr. Ozlem Marti Akgun**

Associate Editor

Department of Pediatric Dentistry, Gülhane Medical Academy, Ankara, Turkey

**Dr. V. B. Bangal**

Associate Editor

Prof and Head Dept of Obstetrics and Gynaecology. Rural Medical College Loni, Ahmednagar, India

**Dr. Sadhu Lokanadham**

Associate Editor

Assistant professor Department of Anatomy Government Medical college Palakkad, Kerala-678013. India

**Dr. Dilip Kr. Goswami**

Associate Editor

Associate Professor Dept. Of Agada Tantra And Vidhi Ayurveda, Govt. Ayurvedic College Jalukbari, Guwahati Kamrup, Assam, India

**Dr. Dibyendunarayan Bid**

Associate Editor

Senior Lecturer The Sarvajanic College Of Physiotherapy Rampura, Surat Gujarat, India



Dr. Pravin Shivajirao Throat

Associate Editor

Associate Professor, Dept. Of Anaesthesiology and Critical Care. Dr. VithalraoVikhePatil Medical College and Hospital, Ahmednagar Maharashtra, India



Dr. Deepali Sharma

Associate Editor

Department Of Radiation Oncology, School Of Medicine, Tulane University, La, USA



Dr. S. Iqbal

Associate Editor

Professor of Anatomy, Amala Institute of Medical Sciences, Thrissur, Kerala, India



Dr. Antonio Simone Laganà

Associate Editor

Department of Pediatric, Gynecological, Microbiological and Biomedical Sciences. University of Messina, Messina, Italy


Scholars Journal of Medical Case Reports | Volume-10-Issue-03


March 3, 2022 | Case Report

62 46 [View Article →](#)

Fatigue Fracture of the Femur Neck: A Case Report and Literature Review

 Youness Mokhchani, Mouad Fahl, Youssef Zorkani, Bouchaib Chafry, Mustapha Boussouga

 Sch J Med Case Rep | 178-181


 DOI : 10.36347/sjmcr.2022.v10i03.001





March 4, 2022 | Case Report

82 35 [View Article →](#)

A Case Report of Pediatric Bacterial Meningitis due to the Rare Isolate, Globicatella Sanguinis

 Hajar Skali, Asmae Lamrani Hanchi, Mehdi Laghmari, Houssine Ghannane, Said Ait Benali, Nabila Soraa

 Sch J Med Case Rep | 182-184


 DOI : 10.36347/sjmcr.2022.v10i03.002





March 4, 2022 | Case Report

65 64 [View Article →](#)

An Unusual Presentation of Osmotic Myelinolysis Syndrome in a Type 1 Diabetes Patient Involving the Spinal Cord

 Malika Berrada, Nour El Houda Sguir El Hamadani, Hicham El Otmani, Mohammed Abdoh Rafai, Bouchra El Moutawakil

 Sch J Med Case Rep | 185-187

 DOI : 10.36347/sjmcr.2022.v10i03.003





March 5, 2022 | Case Report

67 38 [View Article →](#)

Sarcomatoid Renal Cell Carcinoma: A Rare Case with Review of Literature

 Nanda Patil, Vaidehi Nagar, Kaushiki Varshney, Snigdha Vartak

 Sch J Med Case Rep | 188-190


 DOI : 10.36347/sjmcr.2022.v10i03.004





March 6, 2022 | Case Report

75 36 [View Article →](#)

Hypertension and Hypertriglyceridemia in an Adolescent Girl Revealing Polycystic Ovary Syndrome: A Case Report

 Khaoula Bourzeg, Moulay Achraf Choukri, Abdelmajid Bouzerda, Ali El Khatouri

 Sch J Med Case Rep | 191-193


 DOI : 10.36347/sjmcr.2022.v10i03.005





March 6, 2022 | Case Report

72 29 [View Article →](#)

Dermatofibrosarcoma Protuberans: Two Cases Report and Review of the Literature

 Malak Bennani, Basma Mahrouch, Ahmed Anis Agouzal, Ikram Zaytoun, Nassima Kadri, Amina Sabiq, Fatim Ezzahra Ballouk, Soulaïmane Kandry Rody, Hind Riahi Idrissi, Mouna Darfaoui, Abdelhamid El Omrani,.

 Sch J Med Case Rep | 194-197


 DOI : 10.36347/sjmcr.2022.v10i03.006





March 10, 2022 | Case Report

71 40 [View Article →](#)

Diastema Closure with Ceramic Veneers: To Master the Procedure

 Amal Esghir, Rihab Dakhli, Sirine Limem, Nouha M'ghirbi, Hayet Hajjami

 Sch J Med Case Rep | 198-202


 DOI : 10.36347/sjmcr.2022.v10i03.007





March 10, 2022 | Case Report

70 34 [View Article →](#)

All-Ceramic Inlay-Retained Fixed Dental Prosthesis: A Case Report

 Sirine Limem, Rihab Dakhli, Amal Esghir, Nouha M'ghirbi, Sihem Hajjeji, Hayet Hajjami

 Sch J Med Case Rep | 203-208

 DOI : 10.36347/sjmcr.2022.v10i03.008





March 11, 2022 | Case Report

 67  62 [View Article →](#)

Unusual Localization of Fibroelastoma of the Heart in Patient with Previous Chest Radiotherapy

 *El-Alaoui Mohamed, Fuzellier Jean Francois, Vola Marco, Campisi Salvatore*

 Sch J Med Case Rep | 209-211


 DOI : 10.36347/sjmcr.2022.v10i03.009





March 13, 2022 | Case Report

 61  26 [View Article →](#)

Inflammatory Stom after COVID-19 Vaccine

 *M. A. Bouraghda, N. Megherbi, S. Belmahdi, I. Ais, K. Mouchen*

 Sch J Med Case Rep | 212-214


 DOI : 10.36347/sjmcr.2022.v10i03.010




March 13, 2022 | Case Report

 75  26 [View Article →](#)

Ectopic Pancreas Presenting as Ileoileal Intussusception

 *Dr. Suresh Desai, Dr. Shubhada Karulkar, Dr. Gargi Patel, Dr. Arpita Patel, Dr. Riddhi Patel, Dr. Aashka Shah*

 Sch J Med Case Rep | 215-217


 DOI : 10.36347/sjmcr.2022.v10i03.011




March 14, 2022 | Case Report

 70  27 [View Article →](#)

Management of A Giant Cervical Cystic Lymphangioma: About A Case



 *Amady Coulibaly, Sidy Camara, Mariam G Diallo, Adama Doumbia, Ousmane Coulibaly, Kadia Keita, Sibiri Traore, Drissa Traoré, Hamady Traoré, Souleymane Togora, Hervé Bénateau, Alhousseyni Ag Mohamed*

 Sch J Med Case Rep | 218-222

 DOI : 10.36347/sjmcr.2022.v10i03.012





March 14, 2022 | Case Report

 66  26 [View Article →](#)

A Rare Case of Delirium after Johnson and Johnson's Janssen's Vaccination

 *Carlos Rivera, Sara Shi, Parinda Patel, Hammad Choudhry, John Dedousis*

 Sch J Med Case Rep | 223-225


 DOI : 10.36347/sjmcr.2022.v10i03.013




March 14, 2022 | Case Report

 68  31 [View Article →](#)

Inhabituel Localisation of Ewing Sarcoma: Case Report


 *Essaber Hatim, Allali Nazik, Chat Latifa, El Haddad Siham*

 Sch J Med Case Rep | 226-229


 DOI : 10.36347/sjmcr.2022.v10i03.014





March 14, 2022 | Case Report

 70  27 [View Article →](#)

Asymmetrical Septal Hypertrophy: A Rare Case of Respiratory Distress in an Infant of a Diabetic Mother


 *Dr. Syed Adnan Ali, Dr. C.V.S. Lakshmi, Dr. U. Narayan Reddy, Hunaina Manfusa*

 Sch J Med Case Rep | 230-232


 DOI : 10.36347/sjmcr.2022.v10i03.015





March 17, 2022 | Case Report

 69  45 [View Article →](#)

Adenocarcinoma of the Bladder: A Case Report and Review of the Literature

 *A. Sabiq, F. Z. Ballouk, M. Bennan I, N. Kadri, A. Agouzal, I. Zaytoun, S. Kandri Rody, M. Darfaoui, A. El Omrani, M. Khouchani*

 Sch J Med Case Rep | 233-236


 DOI : 10.36347/sjmcr.2022.v10i03.016





March 20, 2022 | Case Report

64 30 [View Article →](#)

A Case Report on Prolapse Lumbar Intervertebral Disease (PLID) Treatment through Acupuncture Procedure

 *Dr. S.M. Shahidul Islam, Dr. Huihui Li, Dr. Md. Humayun Kabir, Sabina Yasmin*

 Sch J Med Case Rep | 237-240


 DOI : 10.36347/sjmcr.2022.v10i03.017





March 25, 2022 | Case Report

65 53 [View Article →](#)

Right Atrial Thrombus in Transit Complicated by Pulmonary Thromboembolism

 *Nagi S. Maglad, Elmutaz H. Taha, Ebtihal M. Osman, Makawi. A. A. Osman*

 Sch J Med Case Rep | 241-242


 DOI : 10.36347/sjmcr.2022.v10i03.018





March 25, 2022 | Case Report

64 25 [View Article →](#)

A Case Report: Efficacy of SC-PWJSC for Static and Diabetic Foot Ulcer

 *Sukmawati Tansil Tan, Yohanes Firmansyah*

 Sch J Med Case Rep | 243-246


 DOI : 10.36347/sjmcr.2022.v10i03.019





March 28, 2022 | Case Report

66 28 [View Article →](#)

Syncope as Unexpected Presentation of Takayasu's Arteritis - A Case Report and Literature Review

 *L Rachid, W Belkho, R Zerhoudi, N Charej, S El Karimi, M El Hattaoui, S Tadsaoui, B Boutakioute, M Ouali Idrissi, M Cherif Idrissi Al Ganouni*

 Sch J Med Case Rep | 247-250


 DOI : 10.36347/sjmcr.2022.v10i03.020





March 30, 2022 | Case Report

 65  54 [View Article →](#)

Contrast Enhanced CT-Scan of Aorta Thrombosis in Neonates: Case Report

 Adam Hajjine, Mohamed Amine Nouri, Badr Boutakioute, Btissam Zouita, Meriem Ouali Idrissi, Najat Cherif Guennouni Idrissi

 Sch J Med Case Rep | 251-253


 DOI : 10.36347/sjmcr.2022.v10i03.021





March 30, 2022 | Case Report

 62  31 [View Article →](#)

Presurgical Radiologic Delineation of Popliteal Pterygium Syndrome: Case Report

 Adam Hajjine, Btissam Zouita, Dounia Basraoui, Hicham Jalal

 Sch J Med Case Rep | 254-256


 DOI : 10.36347/sjmcr.2022.v10i03.022




March 30, 2022 | Case Report

 73  28 [View Article →](#)

Radiologic Features of Monostotic Humeral Fibrous Dysplasia: Case Report and Literature Review

 Adam Hajjine, Meriem Ouali Idrissi, Badr Boutakioute, Najat Cherif Guennouni Idrissi

 Sch J Med Case Rep | 257-259


 DOI : 10.36347/sjmcr.2022.v10i03.023





March 30, 2022 | Case Report

 57  34 [View Article →](#)

Incidentally Discovered Diastematomyelia in Adults: About Two Case Reports

 Adam Hajjine, Oualid Benfaddaoul, Badr Boutakioute, Meriem Ouali Idrissi, Najat Cherif Guennouni Idrissi

 Sch J Med Case Rep | 260-262

 DOI : 10.36347/sjmcr.2022.v10i03.024



March 30, 2022 | Case Report

👁 55 📄 31 [View Article →](#)

Aortic Dissection: Still the Great Deadly Masquerader- Case Report with Review of Literature

👤 *L. Rachid, S. Azmoun, M. Ztati, D. Benzeroual, M. El Hattaoui, D. Boumezebra, N. Cherif Idrissi El Ganouni*

📄 Sch J Med Case Rep | 263-265

📄 DOI : 10.36347/sjmcr.2022.v10i03.025



March 30, 2022 | Case Report

👁 47 📄 42 [View Article →](#)

Single Cutaneous Metastasis from Mucinous Adenocarcinoma of Prostate with Bladder Invasion: An Unusual Localization

👤 *Mouaad Aarab, Rachid Allali, Rachid Ait ouali, Mohamed Amine Lakmichi, Zakaria Dahami, Mohamed Said Moudouni, Ismail Sarf*

📄 Sch J Med Case Rep | 266-268

📄 DOI : 10.36347/sjmcr.2022.v10i03.026



March 30, 2022 | Case Report

👁 30 📄 30 [View Article →](#)

Diazoxide-Associated Pulmonary Hypertension in Patient with Hyperinsulinemic Hypoglycemia

👤 *Raed Sadek, Shaimaa M. Azab, Yousef Ghazal, Badi Alenazi, Ghada Shiekheldin*

📄 Sch J Med Case Rep | 269-275

📄 DOI : 10.36347/sjmcr.2022.v10i03.027



March 30, 2022 | Case Report

👁 38 📄 19 [View Article →](#)

Endo-Urological Management of Renal Lithiasis on Supernumerary Kidney: Flexible Ureteroscopy

👤 *R.Allali, M.Aarab, A.Agbakou, M.A.Lakmichi, Z. Dahami, M.S. Moudouni, I. Sarf*

📄 Sch J Med Case Rep | 276-278

📄 DOI : 10.36347/sjmcr.2022.v10i03.028



A Case Report: Efficacy of SC-PWJSC for Static and Diabetic Foot Ulcer

Sukmawati Tansil Tan¹, Yohanes Firmansyah^{2*}

¹Departement of Dermatology and Venereology, Tarumanagara University, Jakarta, Indonesia

²General Practitioner, Tarumanagara University, Jakarta, Indonesia

DOI: [10.36347/sjmcr.2022.v10i03.019](https://doi.org/10.36347/sjmcr.2022.v10i03.019)

| Received: 13.02.2022 | Accepted: 21.03.2022 | Published: 25.03.2022

*Corresponding author: Dr. Yohanes Firmansyah, MH, MM, AIFO-K

General Practitioner, Tarumanagara University, Jakarta, Indonesia

Abstract

Case Report

Static ulcers and diabetic ulcers are a type of chronic ulcers that are often difficult to treat with traditional therapy with a failure rate of over 50%. This case explains the efficacy of secretome from the Placental Wharton Jelly Stem Cell (SC-PWJSC) added to a 65-year-old male with a static ulcer and diabetic ulcer that lasted 14 months. Therapy using secretome from Placental Wharton Jelly Stem Cell (SC-PWJSC) for eight weeks allows a closed wound followed by a scar with no side effects. The patient is delighted with the results of the procedure.

Keywords: static ulcer; diabetic ulcer, diabetes mellitus, cutaneous injection, SC-PWJSC.

Copyright © 2022 The Author(s): This is an open-access article distributed under the terms of the Creative Commons Attribution 4.0 International License (CC BY-NC 4.0) which permits unrestricted use, distribution, and reproduction in any medium for non-commercial use provided the original author and source are credited.

INTRODUCTION

A diabetic foot ulcer is a chronic diabetes complication in deeper tissue lesions, neurological disorders, and lower limb vascular peripheral disorders [1]. As a result of worldwide diabetes and improved life expectancy of diabetic foot ulcers, diabetic foot ulcers have increased. Amputation occurs every 30 seconds, as a result of diabetes, in the lower extremities [2]. And the health costs of \$8659 per patient were high [3]. In the U.S., medical expenses vary from \$9 billion to \$13 billion to treat diabetic foot disease and additional costs of diabetes [4]. Due to a major social, medical, and economic burden, the International Diabetes Fund has called on the public to raise awareness about diabetic foot conditions [5]. Of all amputations in diabetic patients, 85% are preceded by foot ulceration, which then worsens into severe gangrene or infection which is difficult to resolve [6].

The wound healing rate for chronic wounds is very poor, especially diabetic foot ulcers (DFU) [7]. Impacts greatly on patients and their families' health and quality of life. The frequently felt consequences include discomfort, loss of function and mobility, depression, difficulty and anxiety, guilt, social insulation, long-term hospital stay's financial burden, and chronic illness, including death [8]. Previous studies have shown that persistent ulcers are a big burden and sometimes induce an inferior quality of life. Therefore, chronic ulcers that are effective and inexpensive to improve people's quality of life with foot

diabetic ulcers are important for wound care and management [7, 9, 10].

This case report describes that the Secretome from Placental Wharton Jelly Stem Cell (SC-PWJSC) ability as an additional therapy to cause better-wound healing.

CASE DESCRIPTION

A 65-year-old man came complaining that it was difficult to heal in the outer left ankle area. The wound has not recovered since 14 months ago, and has tried various types of treatment. The wound initially looks like varicose veins, and after a few months, a small wound develops but over time, it gets more significant to the size of a coin. The patient is known to have a history of diabetes mellitus since ten years ago with rough treatment.

The patient current subjective concern is leg discomfort with pain, delayed chronic wound healing, and discharge. Patients regularly use Povidone-iodine to disinfect their wounds to avoid infection and unpleasant odors. A venous stasis ulcer and diabetes ulcer were found on physical examination. The neovascular condition around the wound is a reddish-blue wound with standard Capillary Refill Time (Figures 1).

Patients signed up the agreement to follow treatment secretome gel from *Placental Wharton Jelly Stem Cell (SC-PWJSC)* to be applied every day after the

wound was cleaned with NaCl. Patients are also asked to note the symptoms of side effects that may arise from allergic reactions such as itching, redness, burning sensation, and swelling to seek first aid if severe side effects appear that are very disturbing.

After eight weeks of the procedure, the patient returned to control with a closed wound, followed by a scar without side effects. Symptoms of side effects during the intervention were not discovered. During the intervention, treatment is the only treatment with injection of insulin and secretome gel from Placental Wharton Jelly Stem Cell (SC-PWJSC) accompanied by regular blood sugar control (Figures 2).



Fig-1: A venous stasis ulcer and diabetes ulcer



Fig-2: Closed wound followed by a scar without side effects

DISCUSSION

Stem cell therapy is a modern therapy that offers new hope to new wound healing methods and usually follows the physiology of wound healing. These stem cells have growth and healing factors to repair injuries [11]. This wound healing process requires removing cells that are not separated into the matrix by healing factors and causes the cell division to close the wound. On the other hand, these stem cells also play a role in immunomodulation by suppressing cytokines, suppressing inflammation, and interacting with macrophage regulators. This whole process affects tissue regeneration, new capillary development (angiogenesis) and accelerates the epithelialization process in chronic wounds so that healing continues as before [12,13].

The wound healing process using Mesenchymal stem cells (MSCs) is a process that resembles the physiology of wound healing, beginning with Mesenchymal stem cells (MSCs), which differentiate into fibroblasts and pericyte tissue and form endothelial-like tissues or cells that further play a role in vasculogenesis [14, 15]. Previous literature studies have shown that Wharton's Jelly derived mesenchymal stem cells (WJ-MSCs) have a rich composition of undifferentiated cells that have excellent immunomodulatory properties and do not induce rejection reactions in the allotransplantation phase in major organ repairs such as heart, cartilage, liver, bone, pancreas, fat, and blood vessels [16]. MSCs formed from WJ-MSCs in extracellular space release several angiogenic factors, including basal fibroblast growth factor (bFGF) and VEGF, which alter beta-growth factor (TGF- β), PDGF, ANG-1, placental growth factor (PIGF), IL-6, hepatocyte growth factor (HGF) and monocyte-one chemoattractant protein (MCP-1), which induces in vitro and in vivo angiogenesis [22]. VEGF and TGF- β 1 secreted in CM promote angiogenesis and activate PI3K / Act and MAPK pathways; HGF reveals its angiogenic nature by inducing VEGF expression [17].

The use of MSC, which is rich in secretome topically in the field of regenerative medicine, has many primary advantages from the provision of stem cells by other methods, namely (1) the use of secretome has excellent protection compared to live cell transplantation directly (invasive) (2) the safety, dosage, and ability of MSC-derived secretome is often assessed (3). Topical MSC has a feature or efficacy that is no less effective than invasive administration, including immune modulation, angiogenesis, and wound healing (4). It is easy to store and can last for a long time without losing effectiveness or even becoming toxic (5). Secretome from Wharton's Jelly-derived mesenchymal stem cell (WJ-MSC) umbilical cord has economic and functional value and can be mass-produced under standard laboratory control (6). Umbilical cord Wharton's Jelly derived mesenchymal stem cells (WJ-

MSCs) may not only be used for the healing of chronic ulcers. They may also be used in several other medical fields, such as acute wounds, cerebral ischemia, and

myocardial (7). It is versatile and can be used as a therapeutic application and can be changed as needed for different cells (23).

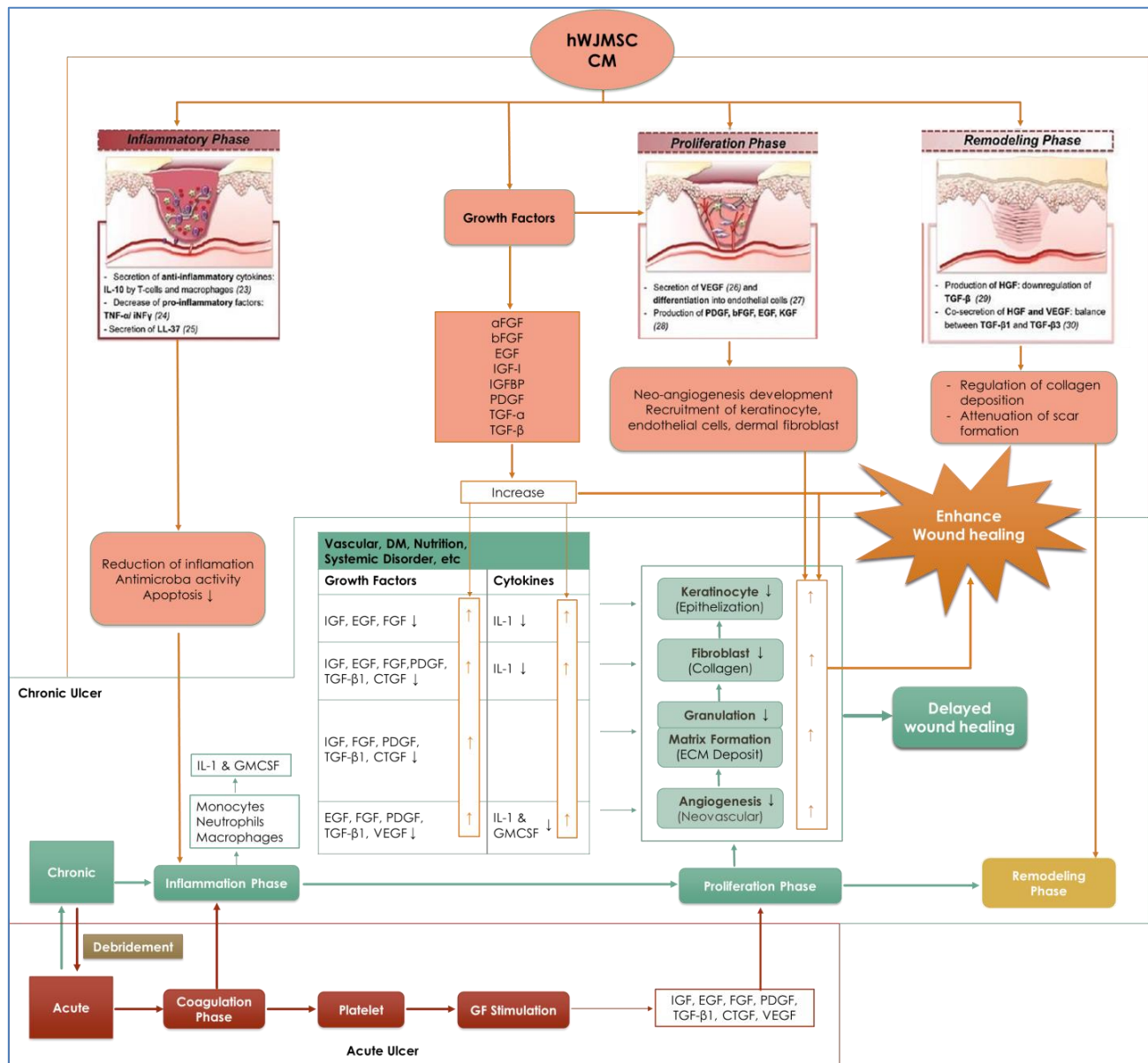


Fig-3: Mechanism-secretome of the Placental Wharton Jelly Stem Cell (SC-PWJSC) improves chronic wound healing at any stage of the wound healing process. (Created by Sukmawati Tansil Tan)

This case report shows the excellent predicted result without side effects from using secretome from Placental Wharton Jelly Stem Cell (SC-PWJSC) therapy, which is very simple and can also be applied separately to patients very promising results and reduces potential impairment. In the future, this study can be carried out on a wide scale in Indonesia, beginning with serial case reports, clinical studies, and randomized controlled trials (RCTs).

CONCLUSION

Static ulcers and diabetic ulcers are a form of chronic ulcers that are often difficult to cure with more than 50% treatment failure rates with conventional

therapy. This case describes the effectiveness of secretome from Placental Wharton Jelly Stem Cell (SC-PWJSC), which was applied to a 65-year-old male with a static ulcer and diabetic ulcer that had lasted for 14 months. Therapy using secretome from Placental Wharton Jelly Stem Cell (SC-PWJSC) for eight weeks makes a closed wound followed by a scar without side effects. The patient is delighted with the outcome of the therapy.

REFERENCES

1. Apelqvist, J. (2012). Diagnostics and treatment of the diabetic foot. *Endocrine*, 41(3), 384-397.
2. Boulton, A. J., Vileikyte, L., Ragnarson-Tennvall,

- G., & Apelqvist, J. (2005). The global burden of diabetic foot disease. *The Lancet*, 366(9498), 1719-1724.
3. Ragnarson Tennvall, G., & Apelqvist, J. (2004). Health-economic consequences of diabetic foot lesions. *Clinical Infectious Diseases*, 39(Supplement_2), S132-S139.
4. Rice, J. B., Desai, U., Cummings, A. K. G., Birnbaum, H. G., Skornicki, M., & Parsons, N. B. (2014). Burden of diabetic foot ulcers for medicare and private insurers. *Diabetes care*, 37(3), 651-658.
5. Jeffcoate, W., Bakker, K. (2005). World Diabetes Day: footing the bill. *Lancet* [Internet]. Apr;365(9470):1527. Available from: <https://linkinghub.elsevier.com/retrieve/pii/S0140673605664379>
6. Zhang, P., Lu, J., Jing, Y., Tang, S., Zhu, D., & Bi, Y. (2017). Global epidemiology of diabetic foot ulceration: a systematic review and meta-analysis. *Annals of medicine*, 49(2), 106-116.
7. Järbrink, K., Ni, G., Sönnnergren, H., Schmidtchen, A., Pang, C., Bajpai, R., & Car, J. (2016). Prevalence and incidence of chronic wounds and related complications: a protocol for a systematic review. *Systematic reviews*, 5(1), 1-6.
8. MacDonald, J. (2009). Global initiative for wound and lymphoedema care (GIWLC). *Journal of Lymphoedema*, 4(2), 92-5.
9. Denny, K., Lawand, C., & Perry, S. (2013). Compromised wounds in Canada. *Healthcare Quarterly (Toronto, Ont)*, 17(1), 7-10.
10. Heyer, K., Augustin, M., Protz, K., Herberger, K., Spehr, C., & Rustenbach, S. J. (2013). Effectiveness of advanced versus conventional wound dressings on healing of chronic wounds: systematic review and meta-analysis. *Dermatology*, 226(2), 172-184.
11. Bluestein, D., & Javaheri, A. (2008). Pressure ulcers: prevention, evaluation, and management. *American family physician*, 78(10), 1186-1194.
12. Bielecki, T. M., Gazdzik, T. S., Arendt, J., Szczepanski, T., Krol, W., & Wielkoszynski, T. (2007). Antibacterial effect of autologous platelet gel enriched with growth factors and other active substances: an in vitro study. *The Journal of bone and joint surgery. British volume*, 89(3), 417-420.
13. Abrigo, M., McArthur, S. L., & Kingshott, P. (2014). Electrospun nanofibers as dressings for chronic wound care: advances, challenges, and future prospects. *Macromolecular bioscience*, 14(6), 772-792.
14. Spaeth, E. L., Dembinski, J. L., Sasser, A. K., Watson, K., Klopp, A., Hall, B., ... & Marini, F. (2009). Mesenchymal stem cell transition to tumor-associated fibroblasts contributes to fibrovascular network expansion and tumor progression. *PloS one*, 4(4), e4992.
15. Bianco, P., Robey, P. G., & Simmons, P. J. (2008). Mesenchymal stem cells: revisiting history, concepts, and assays. *Cell stem cell*, 2(4), 313-319.
16. Nekanti, U., Rao, V. B., Bahirvani, A. G., Jan, M., Totey, S., & Ta, M. (2010). Long-term expansion and pluripotent marker array analysis of Wharton's jelly-derived mesenchymal stem cells. *Stem cells and development*, 19(1), 117-130.
17. Samakova, A., Gazova, A., Sabova, N., Valaskova, S., Jurikova, M., & Kyselovic, J. (2019). The PI3k/Akt pathway is associated with angiogenesis, oxidative stress and survival of mesenchymal stem cells in pathophysiologic condition in ischemia. *Physiological research*, 68, S131-S138.