

Reducing the Hypothyroidism of a Middle Aged Patient with Ill Effects on Diabetes and Mental Health through Donkey and Bull Testicles via Deafer (Flax and Chia Seeds): A Brief Report

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Abstract: Background: Pathologies in hormone growth results in over secretion or under secretion. The Under secretion produces a mass on the front side of neck (Graves' disease) which is hypothyroidism. This Hypo thyroidism makes myxedema coma which includes fatigue, feeling cold, weight gain, dry skin, sleepiness & also slow deterioration in mental disorder. Thyroid can increase the chance of diabetes mellitus in which body doesn't produce insulin and makes insulin resistant body. Hypothyroidism and pre diabetes later diabetes and type 2 diabetes makes obesity, hypertension, and bull eyes. Case Presentation: A middle-aged Indian man with hypothyroidism is brought to the emergency-room frequently with the symptoms of diabetes and mental disorder. Further examinations of patient showed bowx of vocal cords; penetrated gap; hoarseness of voice; hypoglycaemic symptoms & psychic disorder. Therefore, TS was diagnosed with coexistence of diabetes and psychickness. Medication for hypothyroidism, diabetes and mental illness were continued. With these treatments in addition with donkey/bull testicles along with chia/ flax seed in diet with fine examination made the patient recovered from all ill effects and improved his health. Conclusions: In severe cases of diabetes & psychic disorder the presence of TS should be examined and imparting diet and early treated makes patients with better health condition.

Keywords: hypothyroidism; diabetes; mental disorder; testicles; flax seeds; chia seeds and middle- aged person

1. Introduction

Thyroid is a metabolic hormone that burns calories and sugar. If the sugar is not burned; it rotates in the body & blood stream producing inflammation effecting pancreas and generating diabetes mellitus. Staying away from gluten, jaggery, honey and having plenty of green leafy vegetables with good regular exercise reduces insulin resistance, also mix of cardio and strengthening exercise prevents diabetes and thyroid. [1] Hypothyroidism and type 1 diabetes give Graves' disease can also contribute to u thyroid or hypo thyroid. Some of the supplements including chromium and berbarim are good for insulin resistance, alpha lipolic acid, omega 3 fatty acid helps to prevent diabetes [2]. [3] Improper diagnosis effects the endocrine system. Thyroid disorder will also increase with age. In this case we present a rare middle- aged man with TS and ill effects.

2. Case Description

A 44-year-old man who had a history of hypothyroidism from 2003 and suffering from Mood swings, Sadness, irritability is brought to the clinic. The patient is diagnosed for TS, diabetes and mental illness. It was found that because of irregular usage of diabetes medications, the patient is completely affected and even his mental condition was altered. Thyronorm is used for his hypothyroidism treatment.

3. Treatment and Outcomes

We have incorporated donkey/ bull testicles along side with flax/ chia seeds Fig. 1 in the diet and kept fine examination due to repeated disorders since 2017. After that, a thorough examination is performed the laboratory results [5-55] for blood test revealed that thyroid stimulating hormone, 2.74 mIU/L [normal range: 0.4 – 4.2 mIU/L]; free T3, 1.32 ng/dL [normal range: 0.8 – 2.0 ng/dL]; free T4, 8.71 µg/ dL [normal range: 5.1 – 14.1 µg/dL]. Glycosylated Haemoglobin- HbA1c, 7.88 % [normal range: 7.01 – 8.0 Fair Control]. The patient's medical history showed good results so we insisted regular medicine usage rather than irregular usage and incorporated again Tablets Tab. Istamet for diabetes and stopped thyroid medicine along side with special diet changes. Due to irregular usage of medicine, we have started psychic medicines Tab. Arpizol, Tab. Roparx, Tab. Astiro Tab. 1& 2. After the usage of special diet plan, we insisted only Tab. Istamet and removed all the medicines.

Table 1: Effect of Hypo thyroidism on ENT; Diabetes & Mental disorder

Guidelines	Problem	Medication
2017 Guide-lines for the diagnosis & management of ENT for the patient M Anil Kumar of age 38	Voice problem; bowx of vocal cords; penetrated gap; hoarsness of voice	Tab. Improvion
Eye sight since 2022	Blurrness in vision	Spectacle usage
2019 T2DM since 8 months	Watch for hypoglycemic symptoms; tremors in hand fingers and leg cough	Tab. Reclide xr
2022 T2DM since 3.3 years	Watch for hypoglycemic symptoms; giddiness; increased hunger	Tab. Gluconorm
2024 T2DM since 5.1 years	Watch for hypoglycemic symptoms; giddiness; increased hunger	Tab. Istamet
2024 Mental Illness since 2012	Mood swings; Sadness; irritability	Tab. Istamet

Table 2: During Clinical course progression of T3, T4 & TSH

Guide-lines	2019	2024
T3 (ng/ dL)	1.22	1.32
T4 (µg/ dl)	6.38	8.71
TSH (Thyroid Stimulating hormone) (mIU/L)	3.52	2.74

**Figure 2:** Donkey/ Bull pickle made in the lab with finest powder flax/ chia seeds

4. Conclusions

It is life threatening if medications are stopped, diagnosis and treatments are delayed. A comprehensive clinical analysis with physical and lab tests revealed that the patient is mentally affected. Close attention with focused diet changes on patient helped him to prevent further deterioration in health. This also helps clinicians for multidisciplinary treatment in patients.

References

- [1] Hypothyroidism and Type 2 Diabetes, Two Sides of the Same Coin | Dr. VK Abichandani | RSSDI tv (youtube.com).
- [2] Thyroid disease increases chances of Diabetes (youtube.com), Ansul Gupta MD.
- [3] Thyroid and Diabetes (thyroid disorders and diabetes mellitus) | Nature Cure Fit (youtube.com).
- [4] Endocrine Emergencies - Thyroid & Pituitary Disorders (youtube.com)
- [5] Anil Kumar Matta. Heat waves of Vijayawada from 1981 to 2022: A short communication, afjb, vol 06, issue 11, pp. 470- 472, 2024.
- [6] Anil Kumar Matta. Effect of Nano-sea shells reinforcement on friction and wear properties of aramid fiber friction materials, J. Inst. Engg. Ser., 2023.
- [7] Anil Kumar Matta. Top Journals on metals and alloys: Scientometric based review analysis with scientific mapping, Scope, vol 13, issue 1, 2023.
- [8] Anil Kumar Matta. Bibilometric analysis with top cited articles in magnesium alloys/ az91e mg alloy from dimensions, IJSET, 2023.
- [9] Anil Kumar Matta. Theoretical Prediction of 3D Printed accelerator pedal using machine learning regressions, Notion Press, 2023.
- [10] Anil Kumar Matta. Machine learning: Bibilometric analysis for most cited article, vol.4, no.6, pp. 3221-3224, IJRPR, 2023.
- [11] Anil Kumar Matta. Authors research impact on the world: A Bibilometric analysis from wos data, IJPREMS, 2023.
- [12] A. K. Matta. *Metallic Product Prototyping, testing and web visibility for manufacturers*: Reference module in materials science and materials Engineering, Oxford: Elsevier 2018, pp 1-10.
- [13] A. K. Matta. *Metal Prototyping the future of Automobile Industry: A review*: elseiver, procedia material science, materials today proceedings 5(9),17597-17601,2018.
- [14] A. K. Matta. *C based design Methodology and topological change for an Indian Agricultural tractor component*: journal of the Institution of Engineers (India): Series A., Springer, vol.04, issue.13, pp.375-378, 2017.
- [15] A. K. Matta. *Development and Impact Testing of a pultruded composite material highway guardrail*: Research Journal of engineering and Technology, Volume 4, Issue 3 July-Sept, 2013, pp 132-135.
- [16] A. K. Matta. *Experimental analysis of Erosive behavior on Al-Sicp based MMC using micro particle (Al_2O_3) as Erodent*: IOP Conference Series: Material science and engineering, 455(1), pages 012094, 2017.
- [17] A. K. Matta. *Computer-aided Engineering for four wheeler accelerator pedal*:IJPAM, vol.18, issue 24, 2018. PP.1-10.
- [18] A. K. Matta. *Problems and Challenges in MMC contributing to RP*, IJMTST: vol.04, issue 1, 2017.
- [19] A. K. Matta. *Modeling of micro turbine for Rapid prototyping*: vol.no. 2, issue 7, IJMTST, July 2016, pp 19- 22.
- [20] A. K. Matta. *Modeling and optimization of Rapid prototyping for an Agricultural Tractor component*: Discovery Engineering, 2016. vol.04, issue.13, pp.375-378.
- [21] A. K. Matta. *3D Design support and software compensation for Rapid Virtual prototyping of Tractor Rockshaft arm*: Taylor and Francis, CRC PRESS, Balkema publication, 2015, PP.91-94.
- [22] A.K. Matta. *Optimization of Brake rotor by using Taguchi method and 3D Finite Elements*: IJAER, Volume 10, Number 13, pp 33175-33177 (2015).
- [23] A. K. Matta. *Optimization of operation parameters on a Novel internally ventilated cross drilled disc brake by using Taguchi Method*: IJESTA, Volume 1, Number 5 (2015), pp. 8-14.

- [24] A. K. Matta. *The integration of CAD/CAM and Rapid Prototyping in Product Development A review*: elsevier, procedia material science pp.3438- 3445, vol.2,2015.
- [25] A.K. Matta. *Brake Rotor Design and Finite Element Analysis*: IJMER, Volume 4, Number 1 (2014), pp. 29-33.
- [26] A. K. Matta. *Construction of a Test Bench for bike rim and Brake Rotor*: IOSR Journal of engineering Volume 2, Issue 8 (August 2012), PP 40-44.
- [27] A. K. Matta. *Design and Analysis of Steam Turbine Blades using FEM*: International Journal of Mechanical Engineering Research, Volume 2, Number 2 (2012), pp. 67-73,2012.
- [28] A. K. Matta. *Analysis of Gas Turbine blades with materials N155 and INCONEL 718*: International Journal of Advances in Science and Technology, Vol.4, No.1, pp 46-50, 2012.
- [29] A. K. Matta. *Convective Heat Transfer Analysis of Gas Turbine Blades Using Finite Element Method*: IJMER, Vol1, no.3, pp 391-397, 2011.
- [30] A. K. Matta. *An approach to predict loads on Tractor rockshaft arm*: ICAI, Space society of mechanical engineers, Gujarat, 5th to 6th april, PP.290-293, 2016.
- [31] A. K. Matta. *Sparse Social Dimension Based Collective Behavior Learning in Social Networks*: Springer, ICCIDM-2014 20-21st Dec 2014.
- [32] A. K. Matta. *Analysis of Novel Brake Rotor using FEM*: AIMTDR-2014 IIT Guwahati, 12-14th Dec 2014.
- [33] A. K. Matta. *Experimental Heat Transfer and Transient State Stress Analysis Of a Brake Rotor*: APM-2013, CIPET, Lucknow, 1-3 March 2013, PP 17.10-17.20.
- [34] A. K. Matta. *Scallable learning of collective behaviour*. 978-3-330-35098-4.
- [35] A. K. Matta. *How to develop a component and file a patent*. 978-620-2-30228-9.
<https://www.amazon.com/How-develop-component-file-patent/dp/6202302283>, 2017.
- [36] A. K. Matta. *Allaying of Tractor Wing*. 978-613-8-95950-2.
<https://www.morebooks.de/store/fr/book/allaying-of-tractor-wing/isbn/978-613-8-95950-2>, 2021.
- [37] <https://rapid-prototyping-consultancy.business.site>
- [38] A. K. Matta. *MATLAB to Scallable learning*, Notion Press, 2022.
- [39] A. K. Matta. *Making of AZ91E series*, Notion Press, 2022.
- [40] A. K. Matta. *Examination of AZ91E with Ni0.21 Ca0.03*, Notion Press, 2022.
- [41] A. K. Matta. *AZ91E towards GCI*, Notion Press, 2022.
- [42] A. K. Matta. *Relevance of AZ series to humanity*, Notion Press, 2022.
- [43] A. K. Matta. *Modified RS Arm*, Indian Patents, 2021.
- [44] Anil Kumar Matta. *Recent studies on particulate reinforcement AZ91 Magnesium composites fabricated by stir casting- A Review*: JMEE, 2020, pp.115-126.
- [45] A.K Matta. *Preparation and toughness studies of Acetol (POM) & PTFE blend*: IJMTST, 2016, pp.63-67.
- [46] A.K Matta. *Fabrication of six legged robot with crank and slotted lever mechanism using RF communication*: IJAER, 2015.
- [47] A.K Matta. *Preparation and characterization of biodegradable PLA/PCL polymeric blends*: Procedia material science, 2014.
- [48] A.K Matta. *The six sigma approach to reduce specific roll consumption in medium merchant and structural mill*: IOSRJEN, 2013.
- [49] A.K Matta. *Construction of a test bench for bike rim and brake rotor*: IOSRJEN, 2012.
- [50] A.K Matta. *3D Design support and software compensation for rapid virtual prototyping of tractor rockshaft arm*: ICCASCE, 2015.
- [51] A.K Matta. *Construction of a test bench for bike rim and brake rotor*: IOSRJEN, 2012.
- [52] A.K Matta. *Preparation and characterization of ternary blends composed of polylactide and MWCNT*: ICEMAP, 2013.
- [53] A.K Matta. *Convective heat transfer analysis of gas turbine blades using fem*: ICCMM, 2011.
- [54] M Anil Kumar. *T24 Experimental Investigation of Neem Oil as a fuel in CI engine*: ACME, 2010.
- [55] Anil Kumar Matta. *A short notes on "article types" for research*, ijprems, vol 04, issue 12, pp. 1889- 1893, 2024.