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INGS OF V-HIT AND C-VEMP IN PATIENTS WITH A THALASSEMIA UNDERGOING CHELATION THERAPY; ERVATIONAL AND CROSS SECTIONAL STUDY

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uction: Iron chelators are used to reduce the iron load accumulated in the body
thalassemia patients. Although it has been stated in the studies that the ototoxic
of iron chelators causes sensorineural hearing loss, especially at high frequencies,
are limited studies in the literature that make vestibular evaluation in this patient

ive: In this study, it was aimed to evaluate the vestibular functions with the current
Head Impulse Test (v-HIT) and Cervical Vestibular Evoked Myogenic Potentials
rteries (c-VEMP), which are different from the literature, of patients with beta
emia who received chelation therapy.

als and Methods: Forty patients with beta thalassemia (17 Female, 23 Male) aged
n 10 and 30 (18,7 ±5,2) and treated with chelation therapy were included in our
The control group consisted of 25 participants (13 Female, 12 Male) aged between
29 (20,5 ± 5,7) without auditory or vestibular complaints. Auditory functions of
icipants were evaluated with pure tone audiometry (PTA) and acoustic impedance
, and vestibular functions were evaluated with v-HIT and c-VEMP test batteries.

s: There were no significant differences between the PTA, vestibulo-ocular reflex
f the semicircular canals and the p1, n1 latencies and threshold values in the c-VEMP
the patients in the chelation therapy group and the control group (p>0,05 for all).
ar, a statistically significant difference was observed in the number of patients with
:quency sensorineural hearing loss in the chelation therapy group (p=0,047).

sion: In patients with beta thalassemia, chelation therapy can be used safely in
of the vestibular system. A statistically significant difference was observed in the
of patients with high frequency sensorineural hearing loss. It is prescribed that
s with beta thalassemia receiving chelation therapy should have hearing tests
ly.

COVID-19 DISORDERS

THE CONSEQUENCES OF COVID 19 IN PATIENTS WITH LARYNGEAL CANCER

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Introduction: The global pandemic, triage and telemedicine have contributed
to late diagnosis of patients with advanced carcinoma of the larynx. They get
infected by Covid 19 more common. Warming and humidification of air in this
type of patient are completely cut off and lost, which devotes to the occurrence
of chronic lung disease.

Aim: Representing patients with laryngeal carcinoma who became infected with
Covid 19, recognizing the severity of Covid 19 manifestation and its outcome.

Material and methods: University ENT Clinic in Skopje was Covid Center for treat-
ment and care of patients with Covid 19. A total of 405 patients with moderate
and severe clinical picture were hospitalized in the period from 2019 to 2021.
There were 8 patients with laryngeal cancer.

Results: In all 8 patients auscultatory, oxygen saturation, CT scan presents mas-
sive interstitial pneumonia, typical of Covid 19. Four patients who survived had
high oxygen saturation, low CRP and laryngectomy performed more than 10
years ago. Other enzymatic and haematological status were also high. The other
four patient who failed to survive the disease had low saturation, high CRP, and
total laryngectomy which was performed not more than 4 years ago, comorbidi-
ties such as aortic aneurism and stent.

Conclusion: According to professional literature, which was confirmed in our
experience, the reasons for the presented number of lethal outcomes cannot
be fully determined. It is estimated that a lack of tracheostomal warmers and
humidifiers leads to increased mortality, especially in Covid 19 pandemic. Ap-
plication of rehabilitation protocols is necessary to improve the quality of life and



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ABSTRACT BOOK

