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Research Article

**DECIDING THE RECURRENCE OF OSTEOPOROSIS IN
PATIENTS WITH PEPTIC ULCER SICKNESS**¹Dr Rabiya Afzaal, ²Dr Muhammad Ahsan Butt, ³Dr Maleeha Ayub¹King Edward Medical University, ²Lahore General Hospital, ³King Edward Medical University**Article Received:** October 2020 **Accepted:** November 2020 **Published:** December 2020**Abstract:**

Aim: Osteoporosis among peptic ulcer disorder stays one of challenges habitually depicted. The goal of our ebb and flow research was to control event of osteoporosis in cases by peptic ulcer infection.

Methods: Our current research was conducted at Sir Ganga Ram Hospital, Lahore from March 2019 to February 2020. In our ebb and flow research study patients old enough 19 years or, more than likely extra recognized by peptic ulcer disease on past additionally then since quite a while ago settled on higher GI endoscopy, remained involved. Those patients stayed then estimated on DEXA filter moreover osteoporosis remained considered as yes anyplace here remained score of less than 3.6. Data remained showed up moreover analyzed by utilizing SPSS form 22.

Results: In our flow research concentrate here stayed entire 65 patients out of which 31 remained men what's more, 33 ladies. The normal age stayed 44.24 ± 9.14 years. The normal time of PUD stayed 4.3 ± 0.32 years likewise normal T score stayed 2.3 ± 0.9 . Osteoporosis remained comprehended in 5 (7.68%) of patients. Osteoporosis stayed extra comprehended in ladies disturbing 04 (10.39%) patients of them singular sets ($p = 0.03$). Here stayed no significant modification in compatibilities of time of PUD by osteoporosis ($p = 0.87$).

Conclusion: Osteoporosis remains newly investigated issue of peptic ulcer disease additionally isn't genuine known, however on the other hand actually existing among various patients of peptic ulcer disorder as appeared by our exploration.

Key words: Recurrence, Osteoporosis, Patients, Peptic Ulcer Sickness.

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INTRODUCTION:

Epigastric discomfort remains one of maximum common exhibitions in medicinal OPD also emergencies. Peptic ulcer disease (PUD) stays one of the main reasons foremost to epigastric discomfort, laterally by gastro esophageal reflux. PUD remains produced through inequity among acid making also usual defensive instruments in addition lead to damage in inferior fragment of esophagus, stomach or else previous share of minor intestine; cooperatively called as peptic part [1]. This might delay by numerous purposes of stomach in addition, principal to alteration problems in addition add to additional illness. Here remain multiple influences fluctuating from life elegances to diverse medications that may affect over this also led to the break in mucosa. In existing research osteoporosis in patients of peptic ulcer illness remained detected in 5 (7.68%) in total of 65 patients [2]. Those outcomes remained also alike to our research completed through Sawicki et al, anywhere it remained gotten in around 6% of patients also they similarly extra observed for its suggestion also it remained detected that here remains double the risk of osteoporosis in cases that have PUD as associated to these who haven't this. Occurrence of co morbid situations comparable Hypertension in addition DM likewise controlled to even developed degree of this difficulty in the current research [3]. In our current research study, woman sex exposed expressively developed degree of the current difficulty in difference to men anywhere it pretentious 04 (10.39%) patients as associated to 2 (4.58%) man in its separate sets through substantial alteration. ($p=0.03$). Those comprise life style change, amplified beverages usage, chocolates, smoking, also alcohol. Numerous medications remain also culprit for this also NSAIDs being maximum disreputable ones [4]. H pylori remains greatest researched bug that stays originate in intestinal also lead to wound of mucosa. Osteoporosis remains well distinct as an object that label condensed bone mineralization. Widespread pains also caution particularly at bony parts also occasionally impulsive fracture remain hallmark scientific exhibitions. It might remain identified on numerous methods also analytic tests also basic them remains to classify bone marrow thickness [5].

METHODOLOGY:

In current research study, 65 patients of peptic ulcer illness remained comprised afterward captivating knowledgeable agreement. Our current research was conducted at Sir Ganga Ram Hospital, Lahore from March 2019 to February 2020. Thorough sociodemographic also medical information remained composed. Peptic ulcer sickness remained identified

through signs of epigastric aching besides sweltering sense for at least extra than 4 months. In existing research osteoporosis in patients of peptic ulcer illness remained detected in 5 (7.68%) in total of 65 patients. Those outcomes remained also alike to our research completed through Sawicki et al, anywhere it remained gotten in around 6% of patients also they similarly extra observed for its suggestion also it remained detected that here remains double the risk of osteoporosis in cases that have PUD as associated to these who haven't this. Occurrence of co morbid situations comparable Hypertension in addition DM likewise controlled to even developed degree of this difficulty in the current research. In our current research study, woman sex exposed expressively developed degree of the current difficulty in difference to men anywhere it pretentious 04 (10.39%) patients as associated to 2 (4.58%) man in its separate sets through substantial alteration. ($p=0.03$). This remained likewise showed by additional researches as well thru Cappuccino FP et al. also, Tsuda K et al, who likewise originate woman sex as advanced prone to the difficulty. Altogether grownups of age 19 also extra remained encompassed also these by co morbid comparable DM, hypertension smoking also analyzed distortion or else long-lasting liver before renal illness remained excepted. Those patients remained experienced higher gastrointestinal endoscopy to settle the peptic ulcer. Also, these by long-established PUD remained measured through DEXA scan to branded osteoporosis current. The score of < 3.6 remained labeled as yes. Information remained arrived also examined using SPSS version 22.0. Post stratification chi square test stayed practical also the worth of < 0.06 stayed taken as substantial.

RESULTS:

In the current research study, here remained 65 patients, out of those 31 remained men also 35 women. The average age remained 44.25 ± 9.14 years. The average period of PUD remained 4.3 ± 0.32 years also the average T score stayed 2.3 ± 0.9 . Osteoporosis remained understood in 5 (7.68%) of patients. Osteoporosis remained extra in women moving 04 (10.39%) patients ($p= 0.03$). Occurrence of co morbid situations comparable Hypertension in addition DM likewise controlled to even developed degree of this difficulty in the current research. In our current research study, woman sex exposed expressively developed degree of the current difficulty in difference to men anywhere it pretentious 04 (10.39%) patients as associated to 2 (4.58%) man in its separate sets through substantial alteration. ($p=0.03$). This remained likewise showed by additional researches as well thru Cappuccino FP et al. also, Tsuda K et al, who likewise

originate woman sex as advanced prone to the difficulty. Altogether grownups of age 19 also extra remained encompassed also these by co morbid comparable DM, hypertension smoking also analyzed

distortion or else long-lasting liver before renal illness remained excepted. Here remained not any substantial alteration in rappings of period of PUD by osteoporosis ($p=0.87$) as in table 1.

Table 1: Osteoporosis through deference to gender also period of peptic ulcer illness.

Variables	Osteoporosis		P-value	
	Yes No (%)	No No (%)		
Sex	Men	03 (9.38%)	29(90.62%)	0.86
	Women	01 (3.57%)	27 (96.43%)	
Duration of PUD	< 2 years	2(7.15%)	26 (92.85%)	0.02
	< 2 years	2 (6.25%)	30 (93.75%)	

DISCUSSION:

Reduced bone inorganic thickness principal to reduced bone strength in addition lead to osteoporosis that remains branded through widespread aches in addition efforts also might uniform principal to impulsive fractures as well. Peptic ulcer illness remains underneath widespread conversation in the current periods to aspect for its overtone through osteoporosis [7]. In existing research osteoporosis in patients of peptic ulcer illness remained detected in 5 (7.68%) in total of 65 patients. Those outcomes remained also alike to our research completed through Sawicki et al, anywhere it remained gotten in around 6% of patients also they similarly extra observed for its suggestion also it remained detected that here remains double the risk of osteoporosis in cases that have PUD as associated to these who haven't this [8]. Occurrence of co morbid situations comparable Hypertension in addition DM likewise controlled to even developed degree of this difficulty in the current research. In our current research study, woman sex exposed expressively developed degree of the current difficulty in difference to men anywhere it pretentious 04 (10.39%) patients as associated to 2 (4.58%) man in its separate sets through substantial alteration. ($p=0.03$). This remained likewise showed by additional researches as well thru Cappuccino FP et al. also, Tsuda K et al, who likewise originate woman sex as advanced prone to the difficulty [9]. This discovery might remain designated or else clarified through influence that women remain extra susceptible owing to numerous hormonal issues i.e. throughout menopause also at developed ages danger of osteoporosis remains previously in height in women as associated to men. Unexpectedly some researches exposed advanced quantity of such patients in man sex. Wu CH et al, in their research exposed that man sex exposed the improved connotation by osteoporosis as associated to women in PUD nonetheless they did not discover the current connotation as substantial [10].

CONCLUSION:

The momentum research study introduced that osteoporosis which remains newly explored inconvenience of peptic ulcer disease likewise stays not similar normal, by and by still event as appeared in the flow research study.

REFERENCES:

1. Wu CH, Tung YC, Chai CY, Lu YY, Su YF, Tsai TH, et al. Increased risk of osteoporosis in patients with peptic ulcer disease. A nationwide population-based study. *Medicine (Baltimore)* 2016;95(16):e3309.
2. Asaoka D, Nagahara A, Hojo M, Sasaki H, Shimada Y, Yoshizawa T, et al. The relationship between H. pylori infection and osteoporosis in Japan. *Gastroenterol Res Pract* 2014;340-7.
3. Figura N, Gennari L, Merlotti D, et al. Prevalence of Helicobacter pylori infection in male patients with osteoporosis and controls. *Dig Dis Sci* 2005;50:847–852.
4. van der Hoorn MM, Tett SE, de Vries OJ. The effect of dose and type of proton pump inhibitor use on risk of fractures and osteoporosis treatment in older Australian women: a prospective cohort study. *Bone* 2015;81:675–82.
5. Becker DJ, Kilgore ML, Morrisey MA. The societal burden of osteoporosis. *Curr Rheumatol Rep* 2010;12:186–91.
6. Jakobsen A, Laurberg P, Vestergaard P, Andersen S. Clinical risk factors for osteoporosis are common among elderly people in Nuuk, Greenland. *Int J Circumpolar Health* 2013;72(8):01-07.
7. Lin SC, Koo M, Tsai KW. Association between Helicobacter pylori infection and risk of osteoporosis in elderly Taiwanese women with upper gastrointestinal diseases: a retrospective patient record review. *Gastroenterol Res Pract* 2014;8147-56.

8. Cappuccio FP, Meilahn E, Zmuda JM, Cauley JA. High blood pressure and bone-mineral loss in elderly white women: a prospective study. Study of Osteoporotic Fractures Research Group. *Lancet* 1999;354:971–975.
9. Tsuda K, Nishio I, Masuyama Y. Bone mineral density in women with essential hypertension. *Am J Hypertens* 2001;14:704–707.
10. Laszlo F, Varga C, Montoneri C, et al. Damaging actions of testosterone on cysteamine-induced gastroduodenal ulceration and vascular leakage in the rat. *EurJPharmacol* 1997; 337:275–278.