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## Breakfast with Dr. Ali Asghar- A Houseful session

### PCDA International Symposium Starts with a lot of fervor

18th February'2024 morning in Hotel Movenpic Karachi started with enthusiasm and eagerness exhibited by the participants of the 8th. International PCDA Symposium 2024. Equally charged speaker, renowned endocrinologist of the metropolis, Dr. Ali Asghar presented his talk on the "Role of Empagliflozin in the management of type-2 diabetes." He presented the latest data regarding the benefits of empagliflozin in various segments specially cardiac and renal benefits.



helps tes and heart disease to lower the risk replied their questions and queries. of death from heart attack or stroke. Recently the role of empagliflozin was also highlighted in reducing the progression og kidney functions.

med, Dr. Zahid Miyan, Prof. Asher served after the session.

He told the audience that Controlling Fawad, Dr. & Mrs. Sarath and many pre- chapter heads of PCDA Pakistan were vent kidney damage, blindness, nerve among those who very patiently and problems, loss of limbs, and sexual enthusiastically listened to Dr. Ali Asfunction problems. Empagliflozin is ghar. The energetic and vibrant speakalso used in patients with type 2 diabe- er interacted with the audience and

Afterwards Dr. Ali Asghar received memento and shield from the chief guest of the symposium, Prof. Abdul Basit and the president of PCDA Paki-Prof. Abdul Basit, Prof. Jameed Ah- stan Dr. Zahid Miyan.Breakfast was

## Facilitation Desk was fantastic this year

Registration desk for the participants of PCDA Symposium'24 was managed by the volunteers of STEP with the help of a professional service provider. The desk provided very smooth and fast processing of registration this year. "It was indeed Doctors-Friendly Desk" said Dr. Ahmad Shehzad from Faisalabad. "They were really guiding the participants till their satisfaction."

Dr. Arshad from Parachanar said, "The Facilitation Desk was fast and the persons over there were giving individual attention to every participant. They provided us all conference material in time.

Most of the guests showed their satisfaction over the performance of the Facilitation Desk.



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Prevention First Newsletter

## Glimpses of the Breakfast Session



# Preventtion First NewsletterOline—April'2024 Page: 04 Climpses of the Breakfast Session



## We are committed to play our role in

## Breaking the Barriers



## Prof. Abdul Basit speaks to the preliminary session of the symposium

#### Report: Dr. Javeria Salman

Prof. Abdul Basit was the honorable chief guest of the PCDA Symposium 2024. In his opening address in the preliminary session of the symposium he talked on the need to work harder to break the barriers in controlling the menace of diabetes. He said that Primary Care Diabetes Association Pakistan is struggling hard to break the barriers. He said that in a resource-constrained country like Pakistan, the barriers to diabetes control can be even more



pronounced due to limited access to healthcare, medications, and education. Some specific barriers include Limited healthcare infrastructure, lack of access to medications and supplies, poor health literacy, inadequate training for healthcare providers, socioeconomic factors and limited public health initiatives. We need to overcome all these barriers and Alhamdo Lillah we and the PCDA are moving in the right directions.

Prof. Abdul Basit said that insufficient hospitals, clinics, and healthcare professionals can result in long wait times for appointments, limited access to diabetes specialists, and inadequate monitoring and treatment. Also the limited availability and affordability of diabetes medications, insulin, blood glucose monitoring devices, and testing sup-

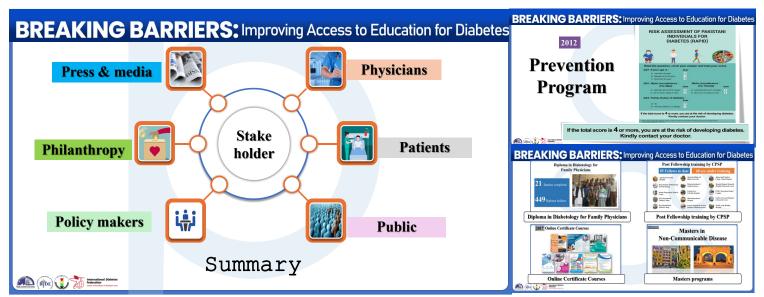
plies can impede proper management of the condition. Limited education and awareness about diabetes, its complications, and self-management strategies can hinder individuals' ability to effectively control their blood sugar levels and prevent complications. Prof. Abdul Basit was of the opinion that healthcare professionals may lack training in diabetes management, leading to suboptimal care and treatment outcomes for patients with diabetes.

#### Prof. Abdul Basit (F.R.C.P)

Professor of Medicine | Baqai Medical University Director | Baqai Institute of Diabetology & Endocrinology Secretary General | Diabetic Association of Pakistan President Diabetes in Asia Study Group (DASG) Ex-Chair | IDF-MENA Region

He said that poverty, unemployment, and food insecurity can contribute to unhealthy lifestyle choices, such as poor diet and lack of exercise, which exacerbate diabetes control issues. Similarly the resource constraints may limit the implementation of public health programs aimed at diabetes prevention, education, and early detection, further exacerbating the burden of the disease.

Breaking these barriers in a resource-constrained country requires innovative strategies that focus on improving healthcare infrastructure, increasing access to affordable medications and supplies, enhancing health literacy, and implementing community-based interventions to promote healthy lifestyles and diabetes management. Collaboration between government agencies, healthcare providers, non-governmental organizations, and international partners is essential to effectively address the challenges of diabetes control in resource-constrained settings.



# Session-I Speakers: Prof Abdul Basit & Prof. Kasif Shafeeq nsforming Diabetes FEBRUARY 2024 Speakers: Prof. A Basit & Prof. Kashif Shafeeq Moderater: Dr. Jaweria Panelists: Prof. Najmul Islam, Prof. Ziaul Hag and Prof. Jameel Ahmed

## Role of Primary Care Physician in breaking barriers

diagnosis, follow-up, coordination of care, pre-trol. vention, early intervention, advocacy They monitor patients' progress regand empowerment.

curate diagnoses. They educate patients about diabetes management, including lifestyle modifications, medication adherence, and monitoring blood sugar levels. They provide personalized counseling and support to help patients understand their condition and make informed decisions.

a crucial role in breaking barriers in preferences. They prescribe medica- emphasize the importance of prevendiabetes control through screening, tions, recommend dietary changes, tive measures such as vaccinations, education, counseling, and advise on physical activity to foot care, and eye exams to reduce treatment, management, monitoring, help patients achieve glycemic con- the risk of complications such as

> ularly, assessing their adherence to PCPs advocate for policies and initiconcerns or barriers to adherence.

PCPs coordinate care with other healthcare providers, including specialists, dietitians, and diabetes educators, to ensure comprehensive management of diabetes. They facilitate communication and collaboration among the healthcare team to PCPs develop individualized treat- optimize patient outcomes. They foment plans tailored to the patient's cus on preventing complications and needs, considering factors such as intervening early to address risk fac-

Primary care physicians (PCPs) play age, comorbidities, lifestyle, and tors associated with diabetes. They neuropathy, retinopathy, and cardiovascular disease.

PCPs are often the first point of con- treatment plans and adjusting inter- atives that support diabetes preventact for individuals with diabetes or ventions as needed. They conduct tion and management at the commuthose at risk. They play a key role in regular follow-up visits to track nity and societal levels. They emscreening patients for diabetes, iden- changes in blood sugar levels, re- power patients to take an active role tifying risk factors, and making ac- view medications, and address any in their own care by providing them with resources, support, and encouragement to make positive lifestyle changes.

> By fulfilling these roles, primary care physicians play a vital role in breaking barriers to diabetes control, improving patient outcomes, and promoting overall health and wellbeing.

## Insights into Diabetes and Metabolic Syndrome Patterns in our Community

Prof. Kashif Shafique



The other speaker who talked in the preliminary session was Prof. Kashif Shafique. He addressed the questions about diabetes and metabolic syndrome. E.g. the burden of metabolic syndrome, the trend of metabolic syndrome and its components, estimation and projection of the trends of diabetes mellitus, how are trends of obesity and diabetes linked, what is the burden of metabolic syndrome and its individual components among the apparently healthy Pakistani population, what is the prevalence of metabolic syndrome and its components among apparently healthy individuals and what are the recent findings of metabolic syndrome, its factors and potential predictors in our population?

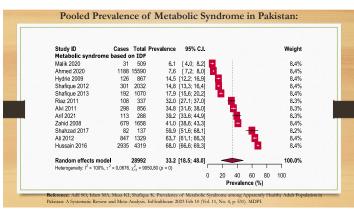
risk factors. He said that metabolic syndrome is not a single disease, but a combination of at least 3 out of 5 health issues: large waistline, high blood pressure, high blood sugar, high triglycerides, and low HDL cholesterol. Having this cluster significantly raises the chances of developing serious conditions like heart disease, stroke, and type 2 diabetes.

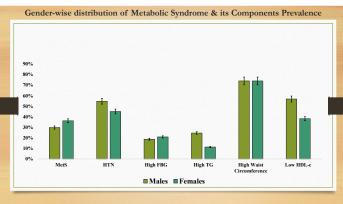
He said that lifestyle modifications often improve metabolic syndrome through healthy changes like diet, exercise, and weight management, while there

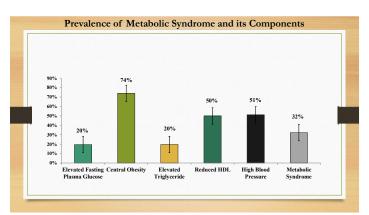
He told that the estimates for 2025 were 300 but it reached to 537 million people in 2021, 1 in 10 Adults (20-79 years) had diabetes. Diabetes increased worldwide by 4.07% per year from He talked about the cluster of 1980-2014 and obesity increased

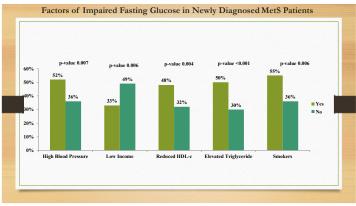
worldwide by 2.78% per year from 1975-2015. Metabolic syndrome cases are rapidly increasing in Pakistan, even among individuals perceiving themselves as healthy.

Newly diagnosed metabolic syndrome patients face heightened diabetes risk with factors including hypertension, low HDL-c, high triglycerides, smoking, and low socioeconomic status. Incorporating anthropometric measurements in routine assessments provides valuable insights into metabolic syndrome and its components and might aid in metabolic syndrome risk evaluation. Timely screening and intervention are paramount for preventing future complications, necessitating proactive healthcare measures









## THE AUDIENCE



#### Session I-B

## Diabetes and Bones: Building Resilience Beyond Blood Sugar by Prof. Sarath Lekamwasam (Sri Lanka)

Session-B of Preliminary Session of 8th. International PCDA Symposium 2024 started with the stat of the art lecture by Prof. Sarath Lekamwasam who came from Sri Lanka for the PCDA Symposium. The session was moderated by Dr. Shehzad Tahir who is head of the Islamabad chapter of PCDA. The topinc of Dr. Sarath's talk was Diabetes and Bones: Building Resilience Beyond Blood Sugar. Innitially he presented an overview of Diabetes and Fragility Fractures which have many similarities.



#### Prof. Sarath Lekamwasam

MBBS (Peradeniya), MD (Colombo), FRCP (London), PhD (Erasmus) Fellow of the Ceylon College of Physicians Hon. Fellow of the College of Physicians (South Africa) Hon. Fellow of the Royal Australasian College of Physicians Hon. Fellow of the Royal College of Physicians and Surgeons, Pakistan Hon. Fellow of the Sri Lanka College of Endocrinologists. Chair Professor, Department of Medicine, Faculty of Medicine, Galle, Sri Lanka

He said that it's a prevalent disease an excessive risk of HF, more proand more cases are predicted. It has nounced in T1DM. multifaceted etiology, high mortality, morbidity and dependency but unfortunately a high health care cost. Current number of Osteoporotic hip fracture worldwide 3.33 m, Projected no of Osteoporotic hip fracture worldwide in 2025: 6.26 m (3.25 m in Asia)

he said that link between T1DM and and by 1-2 fold, 1.5-2 fold at hip and 2 fold at radius. Women with T1DM are 12 times more likely to have a fracture. Meta-analysis shows that there is increased FR seen in T1DM is higher than what BMD would ex-(Osteoporosis International 2016;27(1):219-28). There is high fracture risk among diabetics in general. 21 studies show 82,293 hip fracture (HF) events among 6,995,272 participants. DM doubles the risk of HF (RR 2.07; 95 % CI 1.83-2.33). Excess risk is more pronounced in T1DM than that in T2DM (RR 5.76 vs 1.34) Thus patients with DM have

Talking about Diabetes and increased fragility fracture risk Dr. Sarath told that definite association exists but mechanism is uncertain as there is heterogeneity of the study samples and there are discordant results and conclusions. Plausible explanations of these may be confounding factors Talking about Fracture risk in T1DM like obesity, vascular calcification degenerative low BMD is well established. There (osteophytes). There may also be efis increase in spine fracture risk (FR) fects of drugs e.g. thiazides, statins. Directly related of diabetes.

> In Diabetes there is bone microarchitectural changes (QCT) manifested by thinning of the cortical bone, increased cortical porosity, redistribution of the cortical and trabecular bone (trabeculation of the cortical bone) and increased trabecular bone. About Bone turnover, there is unclear area/limited information and T2DM is associated with low bone turnover state (reduced OC and OB activities).

> Factors associated with high fall risk are hypo to hyperglycemia, (...contd)

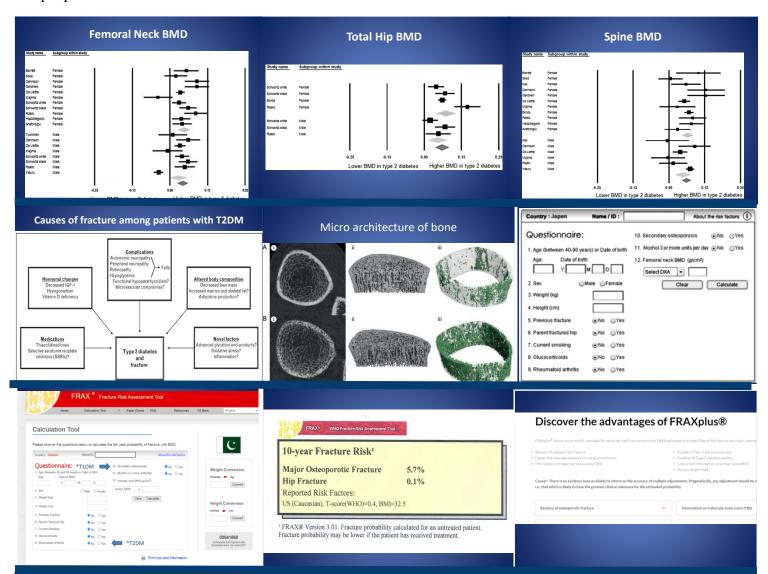


infections, complications: AMI, strokes, etc; chronic complications: neuropathy, retinopathy, postural HT, cardiac decompensation, Sarcopenia and Vitamin D deficiency?

BMD in T1DM is low. Nearly 50% of people with T1DM have BMD

Ca<sup>++</sup> intake, increased urinary Ca<sup>++</sup> PPARγ stimulate OC formation. excretion, high prevalence of celiac

Factors associated with high fall risk lower than expected and 20% meet disease and hypogonadism. Potential are hypo to hyperglycaemia, acute criteria for OP. Average BMD 0.5- mechanisms envolved in T1DM, the 1.5 SDs (z-score) below the mean. maturation and functions of OBs are There is low peak bone mass and impaired. Chronic hyperglycaemia: low BMD during lifetime. Mecha- increased expression of PPARy, as nisms envolved are abnormalities in PPARy promotes formation of adi-GH-insulin-like growth factor-1 axis, pocytes from MC cells instead of lack of insulin, insufficient dietary OBs. Both hyperglycaemia and



#### Some Important Slides from Dr. Sarath's Presentation

Uncertainties in patient care and screening and BMD/Trabecular bone out T2DM. Denosumab has shown some questions are still unanswered. Should all patients with DM be routinely screened for OP and fracture risk? What tools should be used? BMD or FRAX? What drugs should be avoided in a patient considered to have a high fracture risk? Do medications approved for OP have the tients with diabetes?

There is no consensus about Indications for screening but T1DM needs

score/FRAX if age >40ys. In T2DM, similar effects on vertebral fracture Postmenopausal women there is no risk. Anabolics too have shown same consensus. In young women and efficacy in people with and without men there are low energy fracture, T2DM. Trial data on T1DM is multi-morbidity, drugs, low BMI, scanty. Considering the low bone recurrent falls, etcDiagnosis of oste- turnover T1D and T2D, anabolic oporosis in T1D and T2D: same cri- therapies, seem more logical and no teria as in the general population. evidence suggests that anabolic ther-Antiresorptives, the first-line treat- apy has greater efficacy than antiresame anti-fracture efficacy in pa-ment for OP, are effective in T2DM. sorptive drugs. BPs SERMS, are equally effective in reducing fracture risk and increasing BMD in individuals with and with-

Risk of Fractures with Glitazones is established. There is accelerated bone loss and an increased risk of

seen in women, but possibly also for Omarigliptin, men. Clinicians should carefully as- liptin, saxagliptin, glitazones.

with an increased risk of fracture. alogliptin, canagliflozin, Use of metformin was associated flozin, 1.54; n = 5) and rosiglitazone (RR age, sex distribution, and the dura-cations. 1.34, 95% CI 1.14, 1.58; n = 5) were tion of exposure to anti-diabetic Adequate Ca<sup>++</sup> and Vit-D should be

fracture. Glitazones exert their action dence to discourage the use of thia- against their effects on fracture through activation of proliferator- zolidinediones in individuals with an activated receptor gamma (PPAR-y) increased risk of fracture, whereas nuclear transcription factor, activa- metformin appears to have a good tion of PPAR-y inhibits bone for- safety profile for the risk of fracmation by primarily diverting mes- ture" Varied results on the associaenchymal stem cells to the adipo- tion between other anti-diabetic cytic rather than to the osteogenic drugs and fracture risk. Trelagliptin lineage. May increase bone resorp- raised the risk of fracture, whereas tion by stimulating osteoclasts and voglibose and albiglutide showed increased fracture risk is mostly benefit with statistical difference. sitagliptin, sess the fracture risk in patients with ertugliflozin, rosiglitazone, pioglita-T2DM before starting therapy with zone, and nateglinide may increase the risk of fracture.

Use of insulin, sulphonylureas and Dulaglutide, exenatide, liraglutide, related or completely unrelated. thiazolidinediones was associated semaglutide, lixisenatide, linagliptin, dapagliglipizide, fracture. "there is compelling evi- diabetic drugs must be weighed are equally effective.

Thus it is better to avoid glitazones in those with a high fracture risk. Ensure good glycaemic control, minimizing of hypoglycemic episodes, prevention of diabetic complications. To assess and prevent falls consider exercise, Supplementation with calcium and Vit-D, specific medications (antiresorptive or osteoanabolic treatment ,where necessary)

To Summarize patients with diabetes have a high FR, not explained by BMD, causes are diabetes-related, complication-related, treatment-

Many unsolved clinical queries related to screening policies and best gliclazide, methods and optimal diabetes conwith a reduced risk of fracture. glibenclamide, glimepiride, metfor- trol could minimize the risk. Risk of thiazolidinediones, both min, and insulin may show benefits falls should be assessed specially in pioglitazone (RR 1.38, 95% CI 1.23, and the results were independent of older adults and those with compli-

positively associated with the risk of drugs. Clinical efficacy of anti-provided. Standard OP medications

ماتلی کے لئے بڑا اعزاز: ماتلی کے قریبی گاؤں سے تعلق رکھنے والے اور ابتدائی تعلیم ماتلی سے حاصل کر کے میڈیکل کی فیلڈ میں اپنا نام اور مقام بنانے والے ڈاکٹر اقبال خان افریدی کو ان کی خدمات کے اعتراف کے طور پر حکومت پاکستان نے ستارہ امتیاز سے نوازا ھے ھم اھلیان ماتلی ڈاکٹر اقبال أفریدی اور ان کے اھل خانہ کو دل کی گھرائیوں ڈاکٹر عبدالمالک شیخ. سے مبارکباد پیش کرتے ہیں.

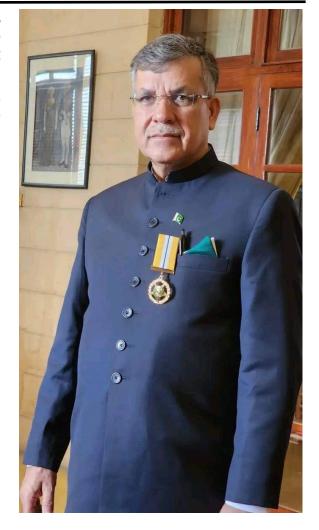


## PROF. IQBAL AFRIDI

MBBS, FRCP (Ireland), FCPS (Pakistan) Residency at College of Physicians & Surgeons Pakistan, FRCP (UK), Fellowship at American Psychiatric Association (United States)

Best Teacher (Professor) Award 2019 "Professor Syed Hassan Manzoor Zaidi Medal'Jinnah Sindh Medical University, Tony Buzan Medal Brain Trust UK, Brain Trust Gold Medal Award Brain Trust UK

The Publications Committee of PREVENTION FIRST NEWS-LETTER congratulate PROF. IQBAL AFRIDI from the deepest of our hearts for receiving Sitara-e-Imtiaz for life long services in field of Psychiatry/ Mental haelth. This is indeed a great and well deserved achievement.



## Fasting Safety in Ramadan Using New Basal Insulin Therapies

Professor Dr. Abdul Jabbar

Later in the corporate session sponsored by Sanofi pharma, moderater Dr. Shezad Tahir invited Prof. Abdul Jabbar to deliver his talk. The topic of Prof. Abdul Jabbar's talk was "Real world Safetey And Efficasy of Insulin Glargine in people with Diabetes who Fast During Ramadan-Results from ORION Study. Diabetes and Ramadan.



#### Professor Dr. Abdul Jabbar

Consultant Internal Medicine and Diabetologist, Medcare Hospital Dubai. Adjunct Associate Professor, Mohamad bin Rashid University, Dubai, UAE Former Professor and Head of Diabetes/ Endocrine Section, The Aga Khan University, Karachi Founder and Former President Pakistan **Endocrine Society** LIFETIME ACHIEVEMENT award from LIFETIME ACHIEVEMENT award from SAHF, UK

member of the advisory Board vere hypoglycemia during the and/or speakers bureau of Novo, Ramadan and post-Ramadan peri-Lilly, Sanofi, Novartis, BI, Ab- ods while on treatment with Glabott, Merck, Getz; said that Diabetes and patient characteristics influence the risk of Ramadan fasting eg Type of diabetes, patients medications, Individual hypoglycaemic risk, Presence of complications and/or comorbidities, Individual social & work cir- (±0.88%) cumstances and previous Rama- Considering the short duration of dan experience. He said Health the ORION study, the reduction problems may arise from un- in HbA1c of 0.37% in the particihealthy eating habits during Ram- pants from South Asia over a peadan. meals>1500 calories, amounts of highly processed carbohydrates and sugar, Sugary desserts, Large and frequent snacks, Eating too quickly, Eating suhoor early, Large amounts of high GI carbohydrates at suhoor, frying food and changes in exercise and sleeping patterns.

Results of ORION South Asian Sub-Group Analysis

Only 1 (0.9%) participant each during the pre-Ramadan and Ramadan periods experienced  $\geq 1$ event of severe and/or symptomatic documented hypoglycemia and no participant during the post -Ramadan period

Prof. Abdul Jabbar who is a No participants had reported se-

The mean HbA1c value was 8.18% ( $\pm 1.05\%$ ) in the pre-Ramadan period, and a decrease in mean HbA1c values to 7.78%  $(\pm 0.95\%)$  was noted in the pre- to post-Ramadan period.

The mean change was -0.37%

Large riod of 3 months is noteworthy.

Large Baseline FPG was lower in the South Asian population in the present subgroup analysis than in the overall ORION study population (close to target FPG of 130 mg/dL) and decreased substantially post-Ramadan.

> A slight numerical increase was observed in SMPG in the current subgroup analysis of 3.7±20.6.

> However, the starting SMPG levels were lower in this sub-group than in the overall ORION study population, and despite the increase, the SMPG level remained within the target range.

> The mean (SD) daily dose of Gla-300 reduced by -1.30(3.25)U [-0.017 (0.04) U/kg] during Pre-Ramadan to Ramadan period.



A relative reduction in the Gla-300 ing Ramadan fasting was shown to **Key Takeaways:** dose of >15% in the pre-Ramadan to be safe Ramadan period was seen in a total of 27 (25.8%) participants.

AEs from the South Asia group dur- dose adjustment was performed ing the study period;

No participant reported a serious AE Large part of participants in both In the daily clinical practice, use of from this group.

ond-generation basal insulins and

BI + GLP1 FRC in T2D people dur- body weight

Only 2 (1.9%) participants reported insulin regimens even a minimum under the close supervision of HCPs

studies were able to fast for the en- second-generation basal insulins and In daily clinical practice, use of sec- tire Ramadan period with improve- BI + GLP1 FRC in T2D people durment in their glycemic control and ing Ramadan fast was shown to be

With the correct guidance, many people with diabetes can fast during Hypo incidence was low with both Ramadan safely but they must be and made aware of the risks of fasting

safe.

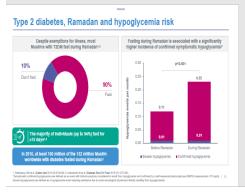


#### FEW SLIDES FROM DR. ABDUL JABBAR'S PRESENTATION

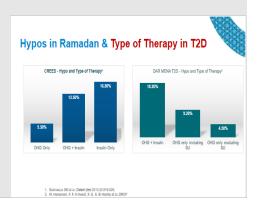












Session-II 18 Feb '24

#### UNDERSTANDING THE INTERPLAY BETWEEN DIABETES AND HYPERTENSION: EFFECTIVE MANAGEMENT STRATEGIES

By: Prof. Shahbaz A. Kureshi

Session-II on the 2nd. Day of 8th. International PCDA Symposium 2024 started with the moderation by Dr. Veru M Lohano. The Title of this session was "Diabetes and its complications." Dr. Veru then introduced the panelists for this session, namely Prof. Zaman Shaikh, Prof. Shabeen Naz Masood, Prof. Feroz Memon and Dr. Musarrat Riaz. He then invited the first speaker of the session Prof. Dr. Shahbaz A. Kureshi to speak on "Understanding the interplay between diabetes and hypertension-Effective management strategies."



Professor Dr. Shahbaz A. Kureshi, FRCP (London) Consultant Interventional Cardiologist/ Heart Failure Specialist (ESC) Chair, Heart Failure Counsel, Pakistan Cardiac Society

Shahbaz Kureshi presented the history years when he was prescribed phenoof the understanding of hypertension. barbital and massage therapy for a He sai that in 1931, John Hay, Profes-blood pressure of 188/105 in 1941. sor of Medicine at Liverpool University, wrote that "there is some truth in its discovery, because then some fool is certain to try and reduce it

may be an important compensatory mechanism which should not be tampered with, even if we were certain Prevalence of hypertension is higher that we could control it.

hypertension was Franklin D. Roose- prevalence of Hypertension was velt. He was documented as having hypertension at age 54, but did not pertension.....contd

In the beginning of his talk Prof. receive treatment for another four

Hypertension is a leading cause of the global burden of non-communicable the saying that the greatest danger to a diseases, responsible for cardiovascuman with a high blood pressure lies in lar diseasez, chronic kidney disease, stroke and 25% of the world's adult population is hypertensive. This by 2025 will rise to 29%. A large population based survey to record the preva-US cardiologist Paul Dudley White in lence of hypertension is awaited. Last 1937, suggested that hypertension national health survey of Pakistan (NHSP) 18.9% of people in Pakistan above 15 years were hypertensive.

in urban than in rural population, more in men than women. National diabetes A prominent individual with severe survey of Pakistan 2016-2017 the 46.2%. High rates of uncontrolled hy-



#### **HYPERTENSIN**

burden was found disproportionately higher in south Asian children.

the world in 2021 was 537 million article by "The News", Pakistan adults (20-79 years) are living with ranks 3rd in the world in diabetes diabetes - 1 in 10. This number is prevalence after China and India. predicted to rise to 643 million by The prevalence of diabetes in Paki-2030 and 783 million by 2045. Over stan in 2016, 2018 and 2019 was 3 in 4 adults with diabetes live in low 11.77%, 16.98%, and 17.1%, respec-



- and middle-income countries.

Approximately 463 million adults worldwide have diabetes, and 90% of these people suffer from type 2 The prevalence of diabetes around diabetes mellitus. According to an tively. According to the International Diabetes Federation, in 2022, 26.7% of adults in Pakistan are affected by diabetes making the total number of approximately 33,000,000. cases This number is alarmingly high and is also increasing with each passing year. There is also reason to believe that many patients go undiagnosed, making both the actual prevalence and the risk of complications due to the absence of treatment much higher.

> mented that insulin resistance and diabetes not only constitute metabolic abnormalities but also predispose to hypertension, vascular stiffness, and associated cardiovascular disease. Meanwhile, excessive arterial stiffness and impaired vasorelaxa- projected 366 million by 2030.

tion, in turn, contribute to worsening insulin resistance and the development of diabetes. Molecular mechanisms promoting hypertension in diabetes include inappropriate activathe renin-angiotensinaldosterone system and sympathetic nervous system, mitochondria dysfunction, excessive oxidative stress, and systemic inflammation. This review highlights recent studies which have uncovered new underlying mechanisms for the increased propensity for the development of hypertension in association with diabetes. These include enhanced activation of epithelial sodium channels, alterations in extracellular vesicles and their microRNAs, abnormal gut microbiota, and increased renal sodium-glucose cotransporter activity, which collectively predispose to hypertension in association with diabetes. This review also covers socioeconomic factors and currently recom-Epidemiological studies have docu- mended blood pressure targets and related treatment strategies in diabetic patients with hypertension.

> Diabetes & hypertension are said to be the siamese twins. Globally type 2 diabetes is in increasing trend with

The number of adults with hypertension is predicted to increase by 60% to a total of 1.56 billion people by 2025. 70% patients with DM have hypertension and hypertension is approximately twice as common in persons with diabetes as in those without. In the Hong Kong Cardiovascular Risk Factor Prevalence Study, 58% of people with diabetes had HTN and 44% of people with hypertension had dysglycemia. Diabetes and hypertension constitute the Siamese twins in the tragic story cardiovascular forum.

In type 2 DM, HTN dictates the story of metabolic syndrome where as in type 1 it figures at the onset of nephropathy. Hypertension increases the risk of DM and vice versa explaining the symbiotic lethal chemistry between two. Contd.



## Hypertension

substantially increases the risk of both macro vascular and micro vascular complications, including stroke, coronary artery disease, peripheral vascular disease, retinopathy, nephropathy, and possibly neuropathy in diabetes mellitus. Coexist-

gress the diabetics acquire HTN, South Asia. dyslipidemia, atherosclerosis CVD. Obesity, inflammation, oxida- studies portraying these trends, and tive stress and insulin resistance are describe the mechanisms that may the common to the duos. DM and explain an increased risk of prema-HTN share common pathways of SNS, RAAS, oxidative stress, adipokines, insulin resistance, PPARs South Asian populations including



ence of hypertension and diabetes can pose serious risks in subpopularisk for pre-eclampsia and children being particularly vulnerable to endorgan disease and accelerated atherosclerosis with aging.

Diabetes carries 2 fold risk of CVD in men and four fold risk of CVD in post-menopausals. Diabetes HTN in combination has 2 fold more other racial/ethnic groups. CVD than hypertension alone. They potentiate the complication of each nized threat, an eventual HF epidemother. In UKPDS study 10 mmHg ic in the densely populated South It is the conventional strategy to win decrease in SBP decreased any complication by 12%, mortality by 13%, MI by 11% and micro vascular com-

and both cause a vicious cycle.

Currently, South Asia accounts for a tions like pregnant women being at quarter of the world population, yet it already claims  $\approx 60\%$  of the global burden of heart disease. Besides the towards. epidemics of type 2 diabetes mellitus and coronary heart disease already Timely intervention towards dysglyfaced by South Asian countries, recent studies suggest that South Asians may also be at an increased risk of heart failure (HF), and that it Treat blood pressure to below 140/90 and presents at earlier ages than in most

> Although a frequently underrecoghealth, social and economic conse-ing: quences, and urgent interventions are

plication by 13%. As the disease pro-needed to flatten the curve of HF in

and In this review, we discuss recent ture HF in South Asians compared with other groups, with a special focus on highly relevant features in premature coronary heart disease, early type 2 diabetes mellitus, ubiquitous abdominal obesity, exposure to the world's highest levels of air pollution, highly prevalent pretransition forms of HF such as rheumatic heart disease, and underdevelopment of healthcare systems. Other rising lifestyle-related risk factors such as use of tobacco products, hypertension, and general obesity are also discussed. We evaluate the prognosis of HF in South Asian countries and the implications of an anticipated HF epidemic.

> Finally, we discuss proposed interventions aimed at curbing these adverse trends, management approaches that can improve the prognosis of prevalent HF in South Asian countries, and research gaps in this important field.

Conclusion of my talk is that hypertension, diabetes and cardiovascular diseases constitute the tripod of a fatal sink the present race is moving

cemia, hypertension and dyslipidemia can candle a bright outcome in future.

mmHg, HbA1C below 7% and use moderate or high intensity statin; the epic will come to an end. No inten-

Asian nations could have dramatic the game. Thanks to the age old say-

"Slow and steady wins the race"

#### Dear Readers of PFN-Online:

In this issue we have covered the proceedings of Sessions I & II of the day-2 (Sunday 18th. February) of the 8th. International PCDA Symposium 2024. The coverage of the subsequent sessions of the 2nd day will be included in the forthcoming issues. Please stay tuned.

In-Charge PFN Online: Dr. Shahid Akhter





# PRIMARY CARE DIABETES ASSOCIATION PAKISTAN

#### The Executive Committee

of

## **Primary Care Diabetes Association Pakistan**

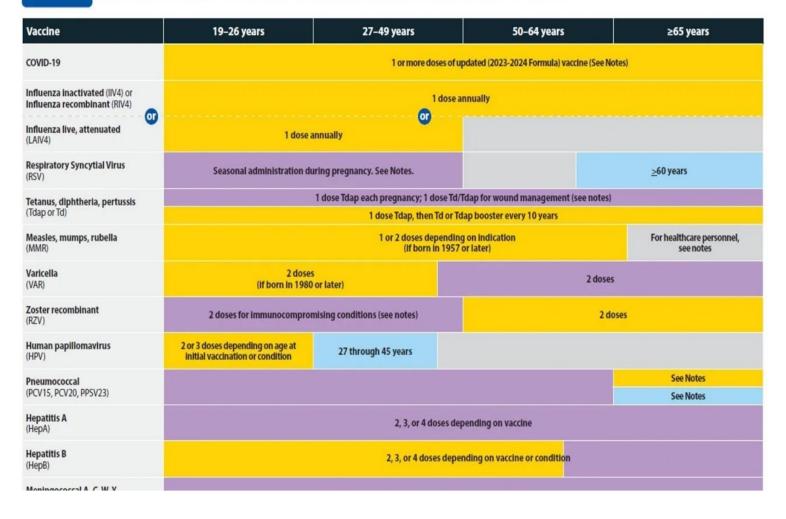
endorses the

## 2024 RECOMMENDATIONS BY CDC- USA FOR THE VACCINATION AGAINST SHINGLES

Press Release

#### Table 1

Recommended Adult Immunization Schedule by Age Group, United States, 2024



## PCDA endorses recommendations by CDC about Shingle Vaccine

Report: Dr. Shahid Akhter

During a recent meeting of the executive committee of PCDA Pakistsn, a resolution was unanimously passed to endorse the recommendations by CDC-United States of America, about the shingle vaccine. Not currently available in Pakistan but it is expected that it will be available very soon. Because most people with diabetes are immune -compromised, this will help them protect from the seri-

ous complications of this preventable disease.

Shingles is caused by the varicella-zoster virus — the same virus that causes chickenpox. After someone had chickenpox, the virus stays in the body for the rest of the life. Years later, the virus may reactivate as shingles.

Shingles causes a painful rash. It can occur anywhere on the body. It typically looks like a single stripe of blisters that wraps around the left side or the right side of the torso.



Shingles isn't life-threatening. But it can be very painful. Vaccines can help lower the risk of shingles. Early treatment may shorten a shingles infection and lessen the chance of complications. The most common complication is postherpetic neuralgia. This is a painful condition that causes shingles pain for a long time after blisters have cleared.

## Recommendations for Shingle Vaccination: CDC recommends two

doses of recombinant zoster vaccine (Currently not available in Pakistan) to prevent shingles and related complications in adults 50 years and older. Shingle vaccine is also recommended for adults 19 years and older who have weakened immune systems because of disease or therapy.

\*Whether or not they report a prior episode of herpes zoster

\*Whether or not they report a prior dose of Zostavax, a shingles vaccine that is no longer available for use in the United States.

It is not necessary to screen, either verbally or by laboratory serology, for evidence of prior varicella.

Recombinant and adjuvanted vaccines, such as Shingrix, can be administered concomitantly, at different anatomic

sites, with other adult vaccines, including COVID-19 vaccines. Coadministration of RZV with adjuvanted influenza vaccine (Fluad) and COVID-19 vaccines is being studied.

## Vaccination of Immunocompromised Adults 19 Years and Older:

CDC recommends two doses of RZV for the prevention of shingles and related complications in adults aged ≥19 years who are or will be immunodeficient or immunosuppressed because of disease or therapy.

The second dose of RZV should typically be given 2–6 months after the first. However, for persons who are or will be immunodeficient or immunosuppressed, like many of our diabetic patients, and who would benefit from completing the series in a shorter period, the second dose can be administered 1–2 months after the first.



and

PREVENTION FIRST NEWSLETTER

Online

#### **CONGRATULATES**

Prof. Dr. M. Wasay

On receiving 2024

Kenneth Viste Award for
the Patients Advocacy by
American Academy of
Neurology (AAN).

Award is the recognition for global neurology advocacy efforts.

**Prof. Wasay** is the First Pakistani Neurologist to receive this award.



#### Page: 19



## Dr. Ahmad Shahzad reports from Punjab Chapter

#### Diabetes Pakistan Conference in Faisalabad



A meeting was held in Serena Hotel Faisalabad which was chaired by Prof Dr Zahid Yasin Hashmi. Prof Dr. Hafeez Chauhdary, Prof. Aamir Shaukat Pro Vice Chancellor Fisalabad Medical University, Dr. Ijaz Anwar, Dr. Masood, Dr. Tariq, Dr. Yousaf Ikram and Dr. Ahmad Shahzad were among the participants. After discussion on various suggestion brought forward by the participants, consensus was developed in principle, on holding a "<u>Diabetes Pakistan Conference</u>" which will cover various topics related to diabetes and metabolic Syndrome.

This 2 days international conference will be held on 1st. & 2nd. November 2024 in collaboration with Faisalabad Medical University, Pakistan Society of Internal Medicine, Primary care Diabetes Association Pakistan and Lyallpur Diabetes Foundation.



## Dr. Riasat Ali Khan (President Elect) reports



The U.S. Food and Drug Administration approved Rezdiffra (resmetirom) for the treatment of adults with noncirrhotic non-alcoholic steatohepatitis (NASH) with moderate to advanced liver scarring (fibrosis), to be used along with diet and exercise.

"Previously, patients with NASH who also have notable liver scarring did not have a medication that could directly address their liver damage," said Nikolay Nikolov, M.D., acting director of the Office of Immunology and Inflammation in the FDA's Center for Drug Evaluation and Research. "Today's approval of Rezdiffra will, for the first time, provide a treatment option for these patients, in addition to diet and exercise."



## Dr. Zulfiqar Ali from Peshawer Chapter reports.

## INSULIN SECRETING COW!

A groundbreaking achievement has been made as scientists at the University of Illinois have developed the world's first transgenic cow capable of producing human insulin in her milk with an impressive 94% efficiency.

Published in Biotechnology Journal, the study details how researchers used sophisticated techniques to introduce human insulin genes into cow cells, harnessing the mammary gland's efficiency in protein production.

This proof-of-concept innovation, utilizing somatic cell nuclear transfer, holds promise pending further testing and FDA approval.



"Mother Nature designed the mammary gland as a factory to make protein really, really efficiently. We can take advantage of that system to produce a protein that can help hundreds of millions of people worldwide," said Matt Wheeler, professor of biotechnology and developmental biology at the University of Illinois and coauthor of the study.



## Our Skin bacteria will produce insulin for us

Reports Dr. Shahid Akhter

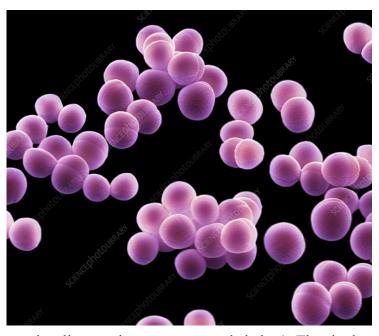
#### Insulin Producing Staph Epidermidis

External insulin will not be the only option for long. Scientists are engineering skin microbes into a diffuse network of continuous glucose monitors and insulin factories inside the body. Restoring the body's insulin production through microbes or other means is on the horizon.

Microbes began making insulin for us, thanks to recombinant DNA technology. Since 1978, synthetic human insulin is made by inserting DNA into the bacterium *Escherichia coli*. But we can not insert insulin producing E. coli in the gut as insulin wouldn't survive well in the gut. Enzymes located there would degrade it.

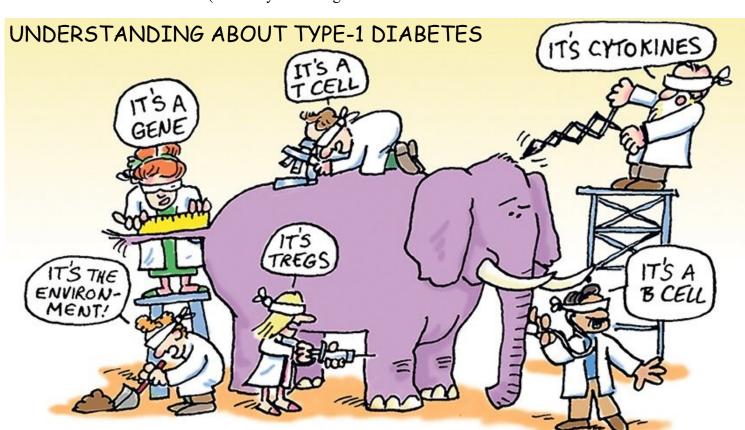
Staphylococcus epidermidis bacteria reside so far below the surface of the skin, around two millimeters, that some can interact with blood vessels. The bacterial insulin pump project focuses on altering Staphylococcus epidermidis' DNA so that it senses a wearer's raised blood sugar and churns out insulin accordingly. The bacterium is found in almost everyone. Its genome has adapted to human skin, and human skin's adapted to us. So we will permit a certain amount of Staph epidermidis to live on us. S. epidermidis would do this job without the immune threat. And since the engineered bacterial insulin pumps just need access to the skin, they can be applied in a lotion.

Thus far, scientists have synthesized a gene that instructs *S. epidermidis* to manufacture an insulin analog made of one amino acid chain. (Naturally-occurring hu-



man insulin contains two connected chains.) The single-chain insulin functions like the typical version but is more stable at warm temperatures and is easier for skin bacteria to construct. Treating diabetes is "a balancing act. The exact right amount of insulin should be produced by these bacteria, so that you don't get hypoglycemia or hyperglycemia.

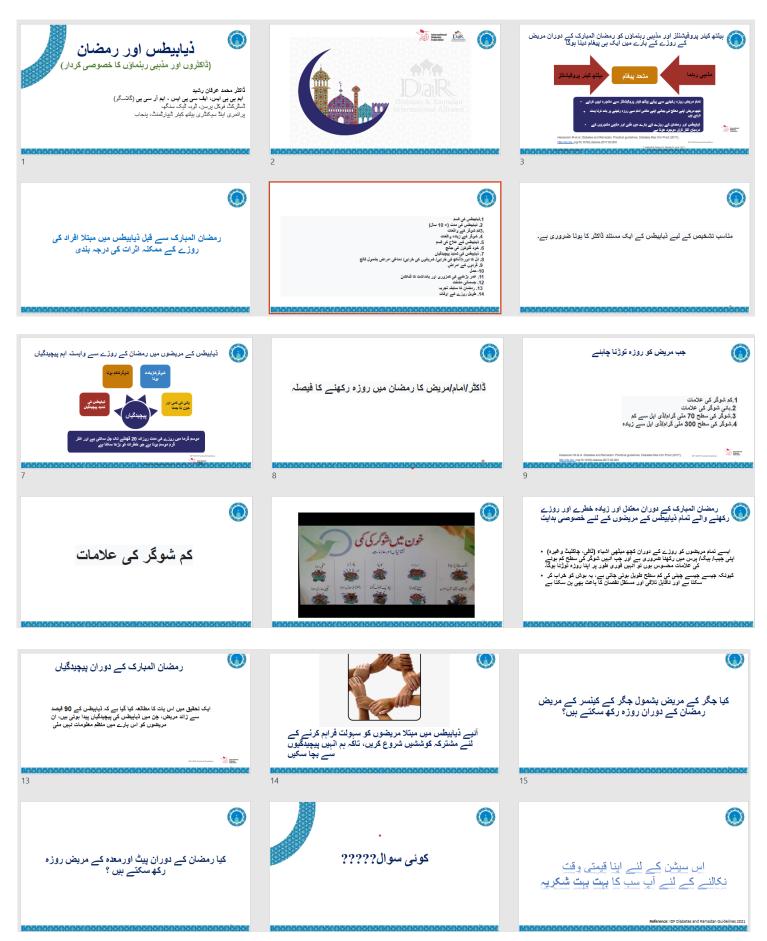
Moving insulin manufacturing from bioreactor facilities to the skin of individual users could make it cheaper and more effective than current options. Scientists are working hard on the biological control that the bacteria offer.



REPORTERS

## Dr. Muhammed Irfan Rashed reports from Toba Tek Singh

Dr. Muhammed Irfan Rashed has prepared a powerpoint presentation on "**Diabetes And Ramadan**" in Urdu language to make it easy to understand. This is really a wonderful job. This presentation is available on PCDA WhatsApp Groups. Here are pics of his presentation





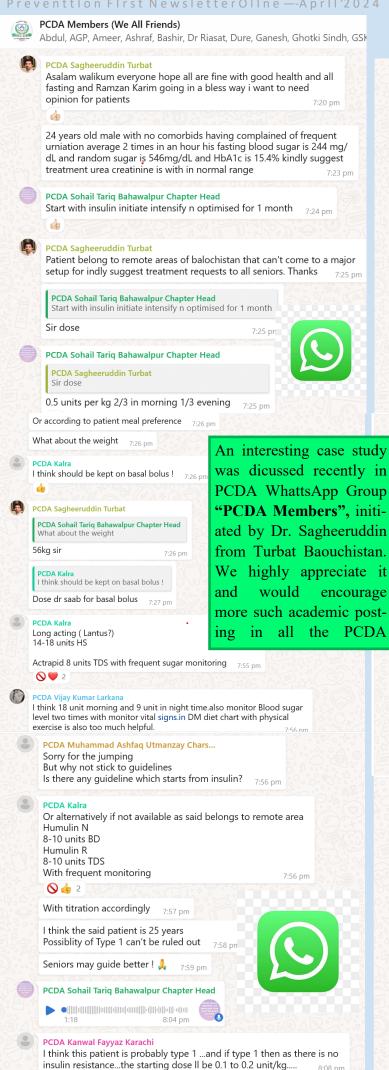
## Dr. Tanveer Ahmed reports from Sargodha Chapter

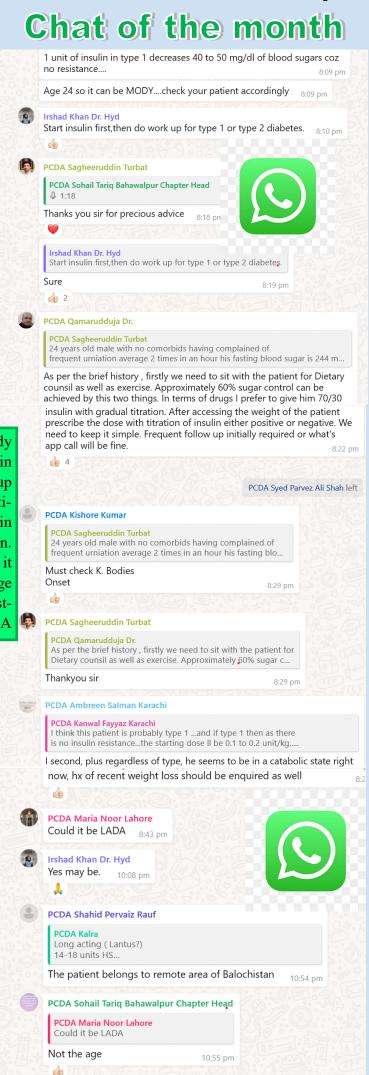


Dr. Tanveer Ahmad Chaudhary is very active in educating the people with diabetes, specially about foot care. He not only arranges free camps at hid AHMAD DIABETES & FOOT CARE CENTRE SARGODHA, but very regularly uploads awareness videos on social media. Here are some glimpses of his activities

احمد ذیابیطس سینٹر میں رمضان کے پورے مہنےمیں شوگر کی آگہی کے لئے پروگرام کیے جائیں گے پورا مہینہ مریضوں کی اور عام لوگوں کی شوگر فری چیک کی جاے گی اور شوگر سے بچاؤ کے لئے رہنمائی فراہم کی جاے گی مریضوں کو اور عام لوگوں شوگر چیک کرنا اور بلڈ پریشر چیک کرنا سکھایا جاے گا شوگر کی آگہی کے حوالے سے رضاکار رجسٹر کر کہ انھیں شوگر سی بچاؤ کی آگہی دینے کے علاوہ شوگر چیک کرنا اور بلڈ پریشر چیک کرنا سکھایا جاے گا انھیں اس سال کے لئے ٹارگٹ بھی دے جائیں گے









## Dr. Sulaiman Khan reports from Kohat Chapter

PG Dip. In Diabetes (U.K)Certified by: Agha Khan University, Royal College of Physicians, ADA, IDF,



BREAKING NEWS تازہ ترین خبروں سے باخبر رہنے کے لیے 94NEWS کولائیک کریں

## Head of Kohat chapter of PCDA Dr. Sulaiman Khan

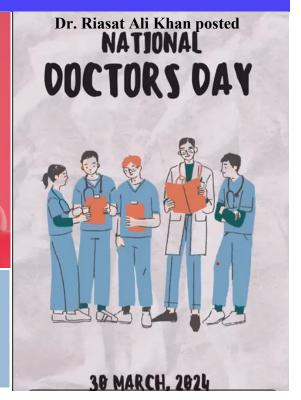
very regularly uploads awareness videos on social media. This recent video is about one of his diabetic patients, Mr. Rehmatullah Wazir. He is SHO police and was suffering from many diseases. But when he followed the instructions and education given by Dr. Sulaiman Khan things changed and his quality of life dramatically changed.

Dr. Sulaiman have many more such stories to tell on his social media accounts. Important thing is that Dr. Sulaiman Khan shares his experience with PCDA friends on WhatsApp groups and is also envolved in the continued medication of the primary care physicians of his area.

Dr. Tariq Mahmood Malik posted th March **Vorld Doctors Day** دوا نهیں ہوں

Happy National Doctors Day!

To those enjoying a well-deserved day with family, cherish every moment. And to those at work, thank you once again for your hard work#NationalDoctorsDay





#### ONLINE EDUCATION SERIES



#### Prof. Frances L Game

BSc, MBBCh, MRCP, MRC Path, FRCP

Consultant Diabetologist at University Hospitals of Derby and Burton NHS Foundation Trust.

Clinical Director of R&D and the Derby Clinical Trials Support unit and Honorary Professor at the University of Nottingham.

**Topic** 

Wound Classification According to IWGDF 2023 Guidelines

Date and Time

8th June, 2024 At 2:00 PM CET





(SCAN TO REGISTER

For more details email; secretariat@d-foot.org





## Dr. Nazeer Soomro reports from Jacobabad Chapter





## Dr. Irfan Shaikh reports from Multan Chapter





## Dr. Khalid Mazari reports from Multan Chapter





## Dr. Abdul Samad Memon from Mirpur Khas Chapter





### Dr. Ashraf Raheem reports about PCDA Sehri Seminar'24

Continuing its annual tradition, PCDA hosted a seminar on March 24, 2024, at Hotel Marriot Karachi, attracting numerous primary care physicians, diabetologists, and cardiologists from all parts of Karachi. Esteemed and renowned professionals such as Prof. Zaman Shaikh, Prof. Abdul Rasheed, and Dr. Najum F. Mahmudi graced the event as panelists.



ering the first on "The Role of treatment Sitagliptin and Metformin Combina- T2DM. in people with diabetes.".

established core defects underlying safety profile, cost-effectiveness, hyperglycemia in T2DM, tracing and recommendation as a first-line their evolution and their implications therapy for type 2 diabetes.

With the moderation by Dr. Riasat for drug selection. He elaborated on Ali Khan, president elect of PCDA, the transition from the "Triumvirate the seminar featured two presenta- Triplet" to the "Egregious Eleven," tions, with Dr. Shahid Akhter deliv- offering insights to aid physicians in decision-making

tion in the Management of T2DM," Dr. Shahid Akhter emphasized the and the other with Dr. Zeeshan Ali merits of metformin in managing on "Role of Bisoprolol in the man- hyperglycemia, citing its high efficaagement of hypertension-Specially cy in reducing HbA1c levels, minimal risk of hypoglycemia when used alone, weight neutrality or potential Dr. Shahid Akhter delved into the for modest weight loss, favorable

ment effectiveness.

Dr. Shahid Akhter also discussed the matic inactivation of endogenous ty without reducing cardiovascular potential benefits of early combina- incretin hormones. This action leads risk. DPP4 inhibitors can be initiated prolong treat- to glucose-dependent insulin release alongside metformin at the outset of and a reduction in glucagon secre- type 2 diabetes management, as evition. Additionally, they offer a more denced by the Verify Trials. Indeed highlighted the advantages of modest glucose-lowering efficacy, a metformin can be combined with selecting DPP4 inhibitors, exempli- neutral effect on weight, minimal most of the medicines used in the fied by sitagliptin, during his presen- risk of hypoglycemia, high tolerabil- treatment of T2DM. This mimics the tation. He informed the audience that ity, and modest efficacy. Cardiovas- role of "POTATO" among all vege-DPP-4 inhibitors are oral medica- cular outcome trials (CVOTs) have tables that can be combined with tions designed to inhibit the enzy- established their cardiovascular safe- most of the dishes.



discussed the efficacy and safety -bolus insulin regimen. of treating inpatient hyperglycemia with basal insulin combined Additionally, Dr. Shahid Akhter

Furthermore, Dr. Shahid Akhter mic episodes compared to a basal

with DPP-4 inhibitors, which has explored the potential benefits of been demonstrated to be effective early combination therapy to exand safe in older adults with type tend treatment effectiveness. He 2 diabetes. This approach results emphasized several advantages of in similar mean daily blood glu- combination therapy, including cose levels but lower glycemic increased durability of the glycevariability and fewer hypoglyce- mic effect to overcome therapeutic inertia, simultaneous targeting

of multiple pathophysiological pro- proved medication-taking behavior enhanced glycemic control, weight cesses characteristic of type 2 diabe- and treatment persistence, and com- management, tes, reduced medication burden, im- plementary clinical benefits such as lar risk reduction.

and cardiovascu-



Sehi Seminar'24

#### Second presentation was on "Role of Bisoprolol in the management of hypertension-Specially in people with diabetes," by Dr. Zeeshan Ali.



have hypertension. All leading lar diseases. guidelines recommend

In the beginning he recapped the inhibitors (ACE or ARBs) as first overall burden of hypertension line antihypertensive for the manglobally and in Pakistan. He said agement of hypertension with diathat according to IDF, it is esti- betes. Evidence showed that diamated that over 33 Million people betic patients need more than one in Pakistan are affected by diabe- drug to treat hypertension. Untes, with more than 396,625 controlled hypertension with diadeaths in 2022. Evidence showed betes can cause endothelial dysmore than 70 % of diabetic pa-function, insulin resistance, erectients (23 million approx) also tile dysfunction and cardiovascu-

Dr. Zeeshan Ali said that evidence nitric oxide induced vasodilation. turbed glucose profile, disturbed livascular to treat diabetic hypertensives due to disease, sexual dysfunction, dis-

showed that diabetic hypertensive Due to the side effects use of con- pid profile, decrease exercise tolerpatients are associated with increased ventional beta blockers have restrict- ance, asthma and chronic obstructive risk of all cause mortality and cardio- ed their usage in diabetic hyperten- pulmonary disease. Conventional βrelated mortality. And sive patients. There were many is- Blockers Decreased blood flow in nebivolol appears to be logical sues related to the older conventional the Corpora Cavernosa due to Vasochoice to add on with ACEi or ARB beta blockers like peripheral arterial constriction.



tion, endothelial function and insulin and improves quality of life. sensitivity. He said that Nebivolol is the synergic add-on anti hypertensive for Diabetic Hypertensives. It has core USP-HTN control, ultra selectivity to β-1 receptor and FMD im-

blood pressure reduction but also control, helps improving the insulin recommended starting

Regarding the dosage recommendation for nebivolol Dr. Zeeshan Ali said that For the treatment of hypertension, the recommended starting

Dr. Zeeshan Ali said that what we provement. He said that Nebivolol dose is 5 mg to 10mg once daily in need today is an antihypertensive improves the insulin sensitivity ulti- combination with ACEi/ARB for drug, which not only provides good mately aiding in improving glycemic effective blood pressure control. The significantly improves erectile func- resistance, improves erectile function Nebivolol in patients with CHF is 1.25 mg once daily. The dose should be doubled at 1 to 2 week to 2.5 mg, 5 mg, and up to the intervals to 2.5 mg, 5 mg, and up to the maximum dose of 10 mg once daily.

#### THE PANELISTS

#### Prof. Abdul Rasheed Khan

MBBS, MD, FACP, Consultant Cardiologist

#### Prof. Zaman Shaikh

Professor of Medicine and HOD, Sir Syed Medical College, Director, Sir Syed Institute of Diabetes and Endocrinology,

#### Dr. Najum F. Mahmudi

Sen. Vice President PCDA Pakistan



## Panel Discussion

After the two presentations, moderator Dr. Riasat Ali Khan invited the esteemed panelists to their respective seats in the panel. They were Prof. Abdul Rasheed Khan, Prof. Zaman Shaikh Dr. Najum F. Mehmudi.



Replying to a question about comparcardiovascular safety sitagliptin and vildagliptin. Professor Abdul Rasheed said that there were two studies in that regards. One from Japan and the other from Korea. Both show that the chances of QT interval prolongation are less with sitagliptin than vildagliptin. Yet in terms of heart failure, the data of a head-to-

The discussion started with Prof. Ab- head comparison meta-analysis of dul Rasheed Khan who praised the about 57,000 patients is not in favor presentations by both of the speakers. of sitagliptin, but vildagliptin was found to have a slight edge over sitagliptin with reference to the incidence of heart failure. But still sitagliptin has established its overall cardiovascular safety and an effective treatment modality for the hyperglycemic control. I would advise pleas always do an ECG when using any DPP4i . About nebivolol he said its safe and effective anti-hypertensive.

Professor Zaman shaikh praised the audience presence and attention. He said, "It is marvelous to see HOUSE Full at the time of sehri. Hats off to PCDA and its team, specially Dr. Riasat, Dr. Najam and all of PCDA. You have really done a wonderful job." He said both the presentations, one from Dr. Shahid Akhter other by Dr. Zeeshan Ali were excellent. He reminded the audience that in earlier guidelines step care management use to be recommended, i.e. initially use one drug for six months, then one and a half drugs for next six months, then go on increasing number of drugs. But now are the recommendations that nip the evil in the butt, means to be aggressive from the beginnings.



of DPP4 inhibiters.

About the details of core defects in

About VARIFY Trials he said it was blood glucose homeostasis, presented a block buster and landmark study by Dr. Shahid Akhter, he said it was done in 34 countries in 2016. This very informative for me even. Talktrial showed some newer results. The ing about the GUT FLORA, he addinclusion criteria of this study was ed that much of the work is being HbA1c between 6.5% and 7.5%, i.e. done about its role in the pathogenenewly diagnosed diabetics. Although sis of diabetes and obesity. He quotthis study was done on vildagliptin ed Dr. Peter Schwartz saying that but we can translate this study with regular cold drink is less risky than sitagliptin because of the class effects diet cold drink, because of the presence of heavy amounts of Non-Nutritive Sweeteners present in diet cold drinks.

He liked the comments by Dr. Shahid mia unawareness." He said, "This was Akhter about labelling metformin like true for the older beta blockers. But Aaloo (Potato). He endorsed that metfor- Nebivolol is supposed to do no harm." min can be combined with most of other "Why can't be nebivolol given at the inianti-diabetes medicines as potatoes can tiation of the treatment? We should form be combined with most of the meals.

Commenting on Dr. Zeeshan's presentation on Nebivolol Prof. Zaman Shaikh Dr. Najum F. Mehmudi said the credit of said "In the past it was said that beta the success of the sehri seminar goes to blockers are poison for the people with the audience and their faith in PCDA. Its diabetes, main concern being erectile highly appreciable and admirable. He dysfunction. Other important concerns thanked the audience for attending the were bronchial asthma, producing new sehri seminar and for their calm and padiabetes, heart failure and the hypoglyce-tient listening.

our own strategy, our own guidelines," he said.



Dr. Najum F. Mehmudi who is sen- vildagliptin. This gives an edge to said use of nebivolol and avoid the older trials. beta blocked. He expressed his concern of the hepatotoxicity with



ior vice president of PCDA Pakistan, sitagliptin." According to him the 'I liked the presentations by damage to the liver cell after using Shahid Akhter very much. Dr. Zee- vildagliptin was seen in many trials. shan also spoke well. He favored the This effect was consistent in many

> After the panel discussion Dr. Riasat called Associate director of Searle Mr. Irfan on the podium to say few word about the seminar. Mr. Irfan thanked PCDA, the panelists and the audience for making the sehri seminar a great success. He said I've never seen such a charged gathering in the odd hours of sehri. He briefed the audience about various projects of



Vote of thanks was presented by Dr. Fareeduddin, the president past of PCDA. He said during these odd hours when every one gets sleepy, such an interactive audience is really a matter of pride for PCDA. The sehri was getting late, thus the audience was requested to proceed to the restaurant.



### Dr. Qazi Mujahid reports about PCDA meeting at Sehri



A scheduled meeting of the members of the core committee of PCDA held before sehri on Sunday 31st. March'24 in Chaupal Restaurent at Shahreh Faisal Karachi. Forthcoming programs and plans were discussed, and the critical analysis of the and the critical analysis of the past symposium'24 performance of the organizing committees of past symposium'24 was done during the meeting. Prof. Zaman Sheikh later joined the meeting and honored the committee with his valuable suggestions and guidance. Here are some glimpses of the meeting:





#### Dear Readers;

Prevention First Newsletter is the official newsletter issued by the Publications Committee of PCDA (Primary Care Diabetes Association Pakistan). The paper version is printed on the occasion of every mega event by PCDA Pakistan.

Prevention First Newsletter has limited circulation, to be circulated among members only.

PFN-Online is the online version of Prevention First Newsletter, which is published to the social media groups of PCDA Pakistan on the 15th. day of every month.

PFN-Online publishes the reports and photographs of the activities of PCDA and its chapters across the country.

Reports of only those events are included in PFN-Online which are managed under the platform of PCDA. Better choose and send the pictures with name or logo of PCDA.

The Publications Committee and the Editorial Board of Prevention First Newsletter, have right to accept or reject any material sent for publication.

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Or E-mail to:preventionfirstnewsletter@gmail.com and pcda.pak@hotmail.com

*In charge PFN-Online* 

#### **SCAN FOR THE MEMBERSHIP OF**

PCDA





