New Drugs:

SYMDEKO: (tezacaftor; ivacaftor)

Ketogenic diet may improve

efficacy of cancer drugs

Dose: 150MG, N/A; 150MG, 100MG.

(ivacaftor) is taken by mouth, in the tablet, a combination of two drugs mouth in the morning. The second tablet **Dosage form** : TABLET, TABLET;ORALOne (tezacattor and ivacaftor) is taken by

severe breathing problems SYMDEKO mucus that builds up in the lungs and to move easier. The amount of air that other parts of the body. This can lead to that results in the formation of thick Use: CF is a serious genetic disorder improved lung function by allowing air



age 12 years and older, who have specific gene mutations. volume (ppFEV1)] was increased and also used to treat cystic fibrosis in patients can be forcibly blown out in one second [percent predicted forced expiratory

clouding of the lens in the eye (cataracts). Adverse effects: Serious side effects including increased liver enzymes and

nasopharyngitis, nausea, sinus congestion, and dizziness. The most commonly reported side effects associated with SYMDEKO are headache,

ERLEADA: (Apalutamide)

Dose: 60MG

with or without food. Dosage form: TABLET; ORAL Four tablets (total of 240 mg) are taken once daily

spreading of the cancer (called metastasis-free survival). surgical treatment that lowers testosterone (castration-resistant). other parts of the body (non-metastatic) and no longer responds to a medical or ERLEADA is a drug for the treatment of prostate cancer that has not spread to In the trial, ERLEADA increased the patients' survival during which there was no Use: To treat a certain type of prostate cancer using novel clinical trial endpoint.

side effects of ERLEADA includes feeling tired, elevated blood pressure, rash, and diarrhea. Adverse effect: Serious side effects including falls and bone fractures, and seizures. The most common

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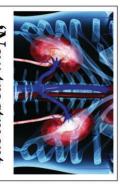
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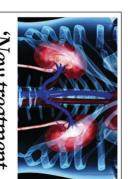


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New Clinical Remedies for diseases



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FIBRODYSPLASIA OSSIFICANS PROGRESSIVA

Introduction:

such as tendons and ligaments are gradually replaced by bone (ossified), forming bone outside the skeleton in early childhood, starting with the neck and shoulders and proceeding down the body and into the limbs. (extra-skeletal or heterotopic bone) that constrains movement. This process generally becomes noticeable Fibrodysplasia ossificans progressiva (FOP) is a disorder in which muscle tissue and connective tissue

Etiology:

to cause the body to "repair" the affect tendon, and ligament) to be ossified spontaneously or when damaged. In many cases, injuries can cause is caused by a mutation of the body's repair mechanism, which causes fibrous tissue (including muscle, oints to become permanently frozen in Fibrodysplasia ossificans progressiva (FOP) is an extremely rare connective tissue disease. The disease place. Surgical removal of the extra bone growths has been shown ed area with even more bone.

<u>Signs and symptoms:</u>

More severe fibrous dysplasia may cause: Fibrous dysplasia may cause few or no signs and symptoms, particularly if the condition is mild.

- Bone pain
- Bone deformities
- Fractures
- Nerve entrapment

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- Very early puberty
- Thyroid gland problems
- Light brown spots on the skin

Consult a doctor if the child is having severe bone pain that:

- Increases with weight-bearing activity
- Interrupts sleep
- Doesn't go away with rest and causes a lump.

FOP tend to have malformed toes or thumbs which help distinguish this disorder from other skeletal problems. physicians to order biopsies, which can exacerbate the growth of these lumps. However, those born with Since the disease is so rare, the symptoms are often misdiagnosed as cancer or fibrosis. This leads

<u>Pathophysiology:</u>

as a result of extra bone formation around the rib cage that restricts expansion of the lungs. disorder may experience malnutrition due to their eating problems. They may also have breathing difficulties Inability to fully open the mouth may cause difficulty in speaking and eating. Over time, people with this Extra-skeletal bone formation causes progressive loss of mobility as the joints become affected

by more rapid ossification in the injured area. Flare-ups may also be caused by viral illnesses such as invasive medical procedures, may trigger episodes of muscle swelling and inflammation (myositis) followed Any trauma to the muscles of an individual with fibrodysplasiaossificansprogressiva, such as a fall or

abnormality of the big toes is a characteristic feature that helps to distinguish this disorder from other bone and muscle problems. Affected individuals may also have short thumbs and other skeletal abnormalities. People with fibrodysplasiaossificansprogressiva are generally born with malformed big toes. This

Complications:

Severe fibrous dysplasia can cause:

- Bone deformity or fracture: The weakened area of an affected bone can cause the bone to bend These weakened bones also are more likely to fracture.
- Vision and hearing loss: The nerves to your eyes and ears may be surrounded by affected bone. Severe deformity of facial bones can lead to loss of vision and hearing, but it's a rare complication.
- Arthritis: If leg and pelvic bones are deformed, arthritis may form in the joints of those bones.
- Cancer: Rarely, an affected area of bone can become cancerous. This rare complication usually only affects people who have had prior radiation therapy.

Diagnosis:

and bone-specific alkaline phosphatase. the head, neck or back. Outbreaks may be measurable clinically by elevated levels of alkaline phosphatase based on a patient's characteristic malformation of the big toe, in addition to rapidly changing swellings on In most cases, an accurate diagnosis of fibrodysplasiaossificansprogressiva (FOP) can be made



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interventions, including loss of mobility. procedures, such as biopsies, as well as permanent complications from medical families worldwide. For instance, misdiagnosis has led to unnecessary invasive diagnosing FOP have caused pain and suffering for FOP patients and their misdiagnosis of the disease is estimated Due to a lack of knowledge d at 80 percent or higher. These errors in of FOP among doctors, the rate of



these new bones don't disappear themselves. not an option for removing the excess Unfortunately, there is no effective treatment for fibrodysplasiaossificansprogressiva (FOP). Surgery is bones because surgery often results in more bone formation. And

of the disease, and provide the children with improved quality of life. No effective medical therapy is known flares. Gene therapy may hold promise treatment of fibrodysplasia ossificans progressiva helps avoid the factors of aggravation, slow the progression for fibrodysplasia ossificans progressiva; bisphosphonates and corticosteroids are only beneficial during the Fibrodysplasia ossificans progressiva (FOP) should be diagnosed during the neonatal period. Early in fibrodysplasia ossificans progressiva treatment.

The good news is that researcher 's are investigating FOP and new treatments. For example, a drug is

for acute flare-ups. Iontophoresis with steroids or acetic acid may

improve diminished range of motion. Systemic steroids are sometimes used

symptoms of FOP, such as pain and inflammation. being developed that may help to control bone growth. Medications also are available to help relieve

Surgical care

anesthetic management has been stressed. procedures to control oral pain. The importance of a minimally invasive surgical technique and appropriate Patients with fibrodysplasia ossificans, a rare disorder, may require oral surgical and anesthetic

intubation evaluated as desirable for aii The experience using general anesthesia has been favorable, with awake nasal fiberoptic rway management.

FDA APPROVED NEW **DRUGS FOR THE MONTH OF JUNE 2018**





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