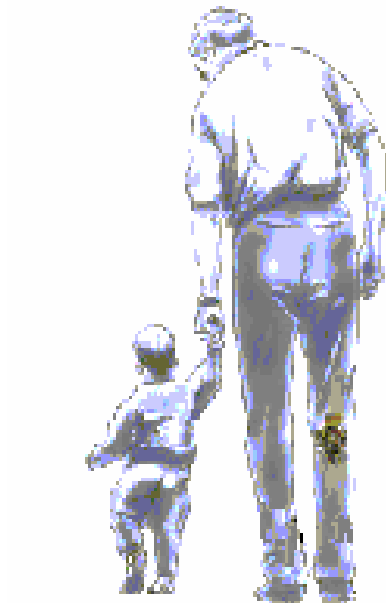


JOINT PAIN? OSTEOARTHRITIS

Tissue Engineering with
world's latest CYTOTRON THERAPY
regenerates and repairs cartilage of the
Knee, Ankle, Shoulder, Elbow, Wrist etc
Without surgery



We help walk again



Caring from the Heart

SIBIA MEDICAL CENTRE

Advanced Non-invasive Health Care Centre

OSTEOARTHRITIS – JOINT PAINS

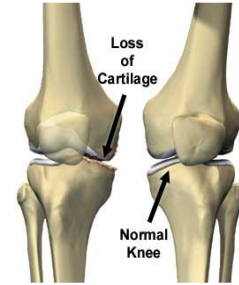
What is Osteoarthritis?

Osteoarthritis (OA) is caused by breakdown of joint cartilage resulting in loss in its capacity to absorb impacts. No definite known cause is known but genetics, age, general wear and tear, joint diseases like rheumatoid arthritis, Gout and congenital defects, extra body weight, repeated or single injury and post-menopause Estrogen deficiency may play a role.

How is Osteoarthritis diagnosed?

Patient may feel pain, stiffness, grating sensation, loss of mobility, warm, swelling and deformity of the joint.

X-rays, MRI / CT, Dynamometry and Genometry help establish the disease.



What treatments are available for O.A.?

Till now there was no satisfactory treatment though pain killer medicines, Herbs, hot/cold applications and supportive measures like weight loss, rest, nutrition, exercise, paraffin bath and assistive devices can make life easier.

Surgical treatments include Arthroscopy, Osteotomy, Arthrodesis and Joint replacement. They all have their limitations. The new non-surgical Cytotron Therapy studied at Institute of Aerospace Medicine and Centre for Advanced Research and Development has good results.

How Cytotron Therapy works?

Cytotron Therapy is a new treatment using Rotational Field Quantum Nuclear Magnetic Resonance (RFQMR) to regenerate and repair cartilage. These are safe beams 'focused' on the site to be treated stimulating cartilage growth and relieving pain and disability, thus may save many knees from replacement surgery.



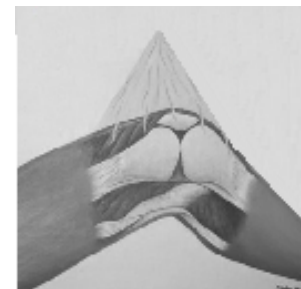
Method of treatment

The affected knee is placed inside the Cytotron and the beam is precisely focused on the cartilage. The computer computes the treatment parameters so that they affect only the cartilage and no other tissue. The treatment is given for 30 minutes daily for 21 days uninterrupted. RFQMR treatment causes no pain or discomfort at all.

Results reported so far

Almost all patients show improvements and upon 3 months follow up 95% feel better, have pain relief, can walk for 1 to 5 km, climb stairs and squat down on the floor which they could not do earlier.

X-rays / MRI shows growth in cartilage and Dynamometry shows increased joint capacity. There is increased range of motion, joint stability and alignment and improved knee society scoring.



Future Cytotron Therapy applications:

Tissue Engineering is a developing field and has a future in many applications such as for Diabetes, Diabetic neuropathy, injury repair, non-healing wounds, Osteoporosis, pain management/Fibromyalgia, Tinnitus, Migraine, Drug resistant epilepsy, Coronary and Peripheral Angiogenesis etc.

Comparison	Arthroscopy	Replacement	Cytotron
Procedure	Endoscopic treatment	Surgical	Purely external with rays
Anaesthesia	Sometimes	Yes	Never
Blood transfusion	No	May be	No
Scar of cut	Minor	Yes	No
Pain	Yes	Yes	No
Hospital stay	Hours to days	About one week	½ hour daily
Return to work	In weeks	In months	Same day
Danger of procedure	+	++	Nil
In anaesthesia unfit	Possible	Not possible	Possible
Major complications	+	++	Nil
Procedure deaths	Very Rare	Rare	Nil
Complications	+	++	Nil
Preventive effect	No	No	Yes
Acceptance by patients	Reluctant due to risk & expenses	Reluctant due to risk & expenses	Very well accepted.
Acceptance by doctors	Accepted well	Accepted well	Well accepted by

			knowledgeable doctors
Cost effective			Most cost effective

Current Science 2004, 87, 5–6.

I was unable to walk even a few steps in June this year and I took the RFQMR therapy from 5 to 25 July. Today I am able to walk 2–3 km at a stretch without any discomfort.

Indian Journal of Aerospace Medicine 2004; 48(2): 1 – 7

There was highly significant improvement in Pain Score, Total Knee Score, Total Functional Score, Range of Movement and force of extension.

Sainik Samachar: Vol. 51 • No. 16 • 16-31 August 2004 (Journal of India's Armed Forces)

The 30-day follow-up showed that all patients were relieved of pain, could walk normally and climbs stairs.

Deccan Herald, Sunday, July 04, 2004

Objectively, with radiology, patients did not require knee replacement surgery anymore.

Tribune, Sunday, July 4, 2004

This itself would be a big boon to many women suffering from this debilitating affliction.”

Business Line, Financial Daily from THE HINDU group of publications Monday, Jul 05, 2004,

RFQMR was a non-invasive solution used to treat severe arthritis.

Times News Network August 16, 2004

In osteo-arthritis, QMR regenerates the damaged cartilage.

Chennai Online, 7th July, 2004

Using the technique, the researchers said 36 patients with severe osteoarthritis were treated successfully.

News Capsule, The Hindu, Jul 12, 2005

In patients with osteoarthritis, the beams are targeted at the affected part (the knee) for a particular number of exposures that produces a signal to regenerate cartilage.

Living, Friday, January 13, 2006

While a knee score of 25 after conventional knee surgery is considered a success, the team at the Institute of Aerospace Medicine recorded a knee score of 50 and above in patients they treated.

Clyde Howard Hyde (Belarus)

They have succeeded in growing new cartilage to replace worn out joints, thereby effecting a cure that has never

Mangalorean_Com- Jan 23, 2006

36 patients with severe osteoarthritis were treated successfully. They are without pain now, can walk normally and climb stairs without help.

Coffee Land, Online Edition August 19th 2005

Patients who experienced severe pain due to the problem experienced relief in pain in just five exposures and also could walk for some distance.

The Hindu, Tuesday, Jul 12, 2005

After being treated with RFQMR, all the patients experienced pain relief in just five exposures and could walk for some distance.

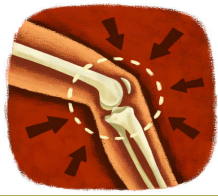
The Hindu Date:12/03/2005

The potential that this device has is amazing. No side-effects.

DH News Service Bangalore:

The treatment using RFQMR in tissue regeneration, degeneration and tissue engineering, is said to be the first of its kind in the world.

Walking again comfortably



Surgery should be preserved for patients with crippling disease who do not respond to more conservative treatments and we should think of surgery only when all other safer non-invasive and non-surgical treatments fail. - Dr.Sibia

FACILITIES:

- External Counter Pulsation (ECP)
- Artery Clearance Therapy (ACT)
- Cardiovascular Cartography (Heart mapping)
- Periphery Artery Disease Treatment
- Cardiac Rehabilitation / Lifestyle Clinic
- Kidney Stone Treatment with rays – Lithotripsy (ESWL)
- Tissue Engineering and repair for Osteo Arthritis etc
- Master Health Checkup
- Nutritional Medicine
- Computerized ECG
- 24 Hours Blood Pressure Monitoring (ABP)
- Computerized Stress / Tread Mill Test
- Laboratory
- General Ward
- Private Rooms – air conditioned with hot water and internet facility
- Canteen
- Library
- 24 hours generator back-up
- Patient Education Brochures (all diseases)

This brochure is for patient information only and should not be used for self-diagnosis or treatment. Consult the doctor for medical decisions.



Your partners in health

HOW TO REACH SIBIA MEDICAL CENTRE

Bus stand > Bharat Nagar Chowk > Fountain Chowk > Cemetery Road / Atam Marg



Artery Clearance Therapy® (ACT) / Chelation Therapy

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With ACAM(USA) Protocol

External Counter Pulsation (ECP)

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Teaching Department of Direx Ltd, Israel

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