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(Branch of Indian Medical Association)

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DR. DHIREN R. MEHTA Hon. Secretary - AMA

Imm. Past President - DR. MONA P. DESAI

VOL. 15

FEBRUARY-2021

ISSUE-10

HIGHLIGHTS

PROGRAMMES

07-03-2021 આંતરરાષ્ટ્રીય મહિલા દિન ઉજવણી

GSB-WDW, AMA અને Ladies Club (AMA) સાથે

28-03-2021 વસંતોત્સવ (ગીત-સંગીતનો રંગોત્સવ)

ARTICLES

- Covid-19 (Corona Virus) : Long-term effects By www.mayoclinic.org
- Newer Innovations in Cardiology



'SERVICE TO MANKIND... NOT DESTINATION... BUT WAY OF LIFE'

Message From President's & Hon. Secretary's Desk







Dear Members.

"Love and Compassion are necessities, not luxuries. Without them Humanity cannot survive." Dalai Lama.

February month is a month of romance and love. Even mother nature also revives and make person mad for love. But we should have love for society and human being also so that any community work done are going to be greatly successful.

Friends, last year we had celebration of International Women's Day on 8th March with great success. And that was the last big program in hall before COVID Pandemic was declared. But now once again we are going to celebrate it on 7th March, Sunday and this will be the first big program of new committee. This year our theme of this program is to aware women for domestic violence and what to do in such situation, to aware against abuse of mobile and other social medias. We have invited excellent speakers and we also have planned skit and housie game.

We also are starting scientific programs from this month and first program will be in association with College of General Practitioner on in the next month. There will be excellent scientific session with panel discussion regarding family practice also.

We will also have most entertaining, colorful festival of Holi and Dhuleti on 28th March. We are planning to celebrate it in different way. The details will be given later on.

We hope now onwards Corona will be under well control and we will have more relief for gathering. We will definitely start our functions as soon as we will be allowed. We also invite new and young members to come forward with new and innovative ideas for different type of programs. We are quite open for discussion.

"An individual has not started living until he can rise above the narrow confines of his individualistic concerns to the broader concerns of all Humanity." Martin Luther King Jr.

Thank you.

Jay AMA Jay IMA

Dr. Kiritkumar C. Gadhavi

President

Ahmedabad Medical Association

Dr. Dhiren R. Mehta Hon. Secretary

Ahmedabad Medical Association



ß





Be a Member of F.B.S.,
S.S.S., F.W.S., P.P.S.,
Health Scheme
and N.S.S.S.







6









DR. DEVAL PANCHAL

DR. MANJIT NAYAK

DR. VIPUL SHAH, ID

*

A.M.A. BULLETIN INDEX

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| dr. Patel Maitreyi Jitendra Naranpur <i>i</i> 9979487372 | DR. PATEL RAMESH ISHWARLAL PALDI 9426495264 | |
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| DR. PATEL SMEET S. BODAKDE\ 7600001519 | | |
| DR. PATEL SUMIT PRAVINBHAI GANDHINAGAF 9824223626 | | |
| DR. PATEL YASH D. BODAKDE\ 9687068399 | | |
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DR. KIRTI SANGHAVI

DR. MONABEN DESAI

DR. URVESH SHAH

DR. MAHADEV DESAI

DR. MAULIK SHETH

DR. SANJEEV PHATAK

TES'S

લાઈવ વેબકાસ્ટીંગ



9 માર્ચ-૨૦૨**૧**-સવારે ૧૦ થી ૧ રવિવાર. ત્વેટ્ટા માટ સમજ

વાગ્યા સુધી. ज रहे

અમદાવાદ મેડિકલ એસોસિએશન,

આશ્રમ રોડ, અમદાવાદ.

રુઝાન ખંભાતા|લિષય :"સ્વાભિમાન અને સંબંઘો નું સમતુલન" સોશિયલ રીફોર્મિસ્ટ

મીની જોસેફ

શોષણનાં "કેસો" ઉપર. વિષય : ચર્ચા- સ્ત્રી

સ્કીટ: "બસ… હવે બહુ થયું" પ્રત્યક્ષ હાજર હોય તેમના માટે હાઉસી : ખૂબ બધા આકર્ષક ઇનામો સાથે. કાર્યક્રમ્ નાં અંતમાં અલ્યાહાર તો ખરોજ.

| | v: | -AMA |
|------------------------------------|---------------------------------------|---|
| Dr. Dhiren Mehta SECRETARY, AMA | Dr. Gargi Patel SECRETARY, GSB-WDW | Mrs. Pushpa Baviskar SECRETARY, LADIES CLUB |
| Dr. Kirit Gadhvi PRESIDENT, AMA | Dr. Mona Desai GSB-WDW-CHAIRPERSON | Mrs. Bharati Patel Mrs. Pushpa Baviskar PRESIDENT, LADIES CLUB-AMA SECRETARY, LADIES CLUB-AMA |

*

વસંતોત્સવ

(गीत-संगीतनो रंगोत्सव)

એક વરસ એવું ગયું જાણે એક જન્મારો ! "પૂછો ના કૈસે મૈને રૈન બિતાઈ, એક પલ જૈસે એક જુગ બીતા..." ભય, આતંક, મોત, હાડમારી ને આંખે ઉજાગરા...!

ઘર, ગામ, દેશ અને દુનિયાની ગાડી પાટા પરથી ઊતરી પડી ! બાપ રે ! આવા કપરા કાળમાં ઢાલ બનીને આગળ આવ્યા...

આ કાળ… કોરોના કાળ કહેવાયો !

" આપણે અને આપણાં "

આપણે એટલે ડૉક્ટર્સ, મેડીકલ સ્ટુડન્ટસ / આપણાં એટલે નર્સીસ, હોસ્પીટલો, સ્ટાફ, એમ્બ્યુલન્સના કર્મચારીઓ, પોલિસ, મ્યુ. કર્મચારીઓ ! માથે કફન બાંધી, મુક્રીમાં મોત લઈ મેદાને પડ્યા !

આ ધર્મયુધ્ધ હતુ !

ધર્મની રક્ષા કરતા કરતા ઘણા પાછા આવી શક્યા પણ બહુ બધા... હોમાઈ ગયા !

જે પરત ફર્યા એ સૌની પીઠ થપથપાવી છે

જે રોકાઈ ગયા, એમને ૧૦૦ તોપોની સલામી આપવી છે

હવે પાછું વળીને નથી જ જોવું !

છોડ આયે હમ.. વો ગલીયાઁ !

તારીખ : ૨૮-૦૩-૨૦૨૧, રવિવાર

સમય : સાંજે ૪ થી ૭

સ્થળ : અમદાવાદ મેડીક્લ એસોસિએશન, અમદાવાદ.

જૂના વાતોને હોળી ચાંપવા ને ગીત-સંગતીની ધૂળેટી ઉજવવા આવશો ને!

વિચાર બીજ : ડૉ. મૌલિક મહેતા, ડૉ. ગુરુદત્ત ઠક્કર

કૃષિ મંત્રાલચ : ડૉ. કે. સી. ગઢવી, ડૉ. ધીરેનભાઈ મહેતા ની ટોળકી

ખેડૂતો (સિંગર્સ) : ડૉ. ગુરુદત્ત, ડૉ. ભાવેશ, ડૉ. રાજ, ડૉ. કલ્પેશ,

ડૉ. શાલિન, ડૉ. મીસ મહેતલીયા વગેરે...

કોન્ટેક્ટ ફાર્મિંગ (Sponsor): CVHF

સરપંચ : ડૉ. મોના દેસાઈ

ખડ, ખાતર ને પાણી (ઓરકેસ્ટ્રા) : સંતોષ બેન્ડ

હક્કા-પાણી : ડૉ. અશોક પટેલ

રજીસ્ટ્રેશન (એ.એમ.એ.) ૫૦રા. (વહેલા તે પહેલા)

(અતિ મર્ચાદિત - ૧૫૦ સીટ્સ)

શરત: એ.એમ.એ.ના ડૉક્ટર્સ Only

ભૂલી જઉં તે પહેલાં : પત્યા પછી હળવું વાળું ખરું...!

વાચરો (પ્રસારણ)

- GTPL Live

- Online (શક્ય બનશે તો...)

તો આવો... હોળી અને ધૂળેટી ખેલવા - ગીત-સંગીતની

Report of Republic Day Celebration

Ahmedabad Medical Association had celebrated 72nd Republic Day of our country at our premises. Hon. Secretary, Dr. Dhiren Mehta welcome all with best wishes of the day. Then he invited President, Dr. K. C. Gadhavi for National Flag Hoisting. After Flag hoisting, all saluted the flag and sung the National Anthem together. He addressed and also gave the message of the Day to all. After that, Dr. Dhiren Mehta gave vote of thanks and invited all for Pujan of Ma Bharti. The program ended with Tea/Coffee with breakfast.

Report of Protest against Mixopathy

Dear Members.

As all of you know very well about notification of Central Council of Indian Medicine (CCIM) giving permission to MS, Ayurveda, to perform 58 types of different surgeries after short training. IMA HQ in association with Medical Student Network has started strongly to oppose it. IMA HQ has informed to follow Hunger strike for 14 days, from 1/2/21 to 14/2/21 at different cities. We had followed Hunger strike by Medical students at AMA House 1/2/21 to 3/2/21. Very successfully.

WE WELCOME FOLLOWING NEW LIFE MEMBERS

| ı | | | |
|---|-------|-------------|-------------------------------------|
| | 10155 | L | DR. SHAH AASHAY ABHAY |
| | 10156 | L | DR. KAMDAR PAYAL PRAFUL |
| | 10157 | L(Transfer) | DR. RAJAN V. PATEL |
| | | | (TR From Sidhpur Branch) |
| | 10158 | L | DR. GAUTAM PALLAK VINOD |
| | 10159 | L | DR. JADEJA AJAYSINH VANRAJSINH |
| | 10160 | L | DR. DOCTOR SHACHISH PIYUSH |
| | 10161 | L | DR. SATWARA PARTHESH ARJANBHAI |
| | 10162 | L | DR. SHULKLA UNNATI VISHWANATH |
| | 10163 | L | DR. PATEL PRATIK SHAILESHBHAI |
| | 10164 | L | DR. GONDALIA NAVINKUMAR JAYSUKHLAL |
| | 10165 | L | DR. PATEL TIRTH BHUPENDRAKUMAR |
| | 10166 | L(Transfer) | DR. SHAH LALJIKUMAR NATHALAL |
| | | | (TR From Mehsana Branch) |
| | 10167 | L | DR. UPADHYAY ABHISHEK ADITYABHAI |
| | 10168 | L | DR. PATEL TIRTH SHIRISHKUMAR |
| | 10169 | L | DR. CHAUDHARY NISHITH ASHOKKUMAR |
| | 10170 | L | DR. SHAH RUSHABH HIRANKUMAR |
| | 10171 | L(Transfer) | DR. SAHAY PURUSHOTTAM RAMJIBHAI |
| | | | (TR From Barwala Branch) |
| | 10172 | L | DR. RAJA ASHISH ASHOK |
| | 10173 | L | DR. CHELLANI ANKIT ANIL |
| | 10174 | L | DR. JADHAV VRUSHALI SUNIL |
| | 10175 | L | DR. SHEKH SANJAY HIMMATLAL |
| | 10176 | L | DR. ALGOTAR PARSOTTAMBHAI BHURABHAI |
| ı | | | |

| | 4 AHME | DABAD MEDICO N | EWS 27-02-2021 | MONTHLY NEWS BULLETIN |
|---|--------|----------------|--------------------|-----------------------|
| | 10177 | LC | DR. DAVE RUSHIT I | DIPAKKUMAR |
| | 10178 | LC | DR. DAVE NUPUR R | USHIT |
| | 10179 | L | DR. PADASHALA JA | YDIP BHIKHALAL |
| | 10180 | L | DR. PATEL MONILKI | JMAR DASHARATHBHAI |
| | 10181 | LC | DR. PARIKH SAPAN | SANJIVKUMAR |
| | 10182 | LC | DR. PARIKH RIDDHI | SAPAN |
| | 10183 | LC | DR. MODI TARAK K | ANAIYALAL |
| | 10184 | LC | DR. MODI ZALAK T | ARAK |
| | 10185 | L | DR. KAMANI MAYUI | RKUMAR MANSUKHBHAI |
| | 10186 | L | DR. PATEL JAIMINK | UMAR VINUBHAI |
| | 10187 | L | DR. PATEL AMITKU | MAR VINUBHAI |
| | 10188 | L | DR. SHAH JAINAM | KAMLESHBHAI |
| | 10189 | L | DR. PRAJAPATI VISI | IAL BHARATKUMAR |
| | 10190 | L | DR. PRAJAPATI DHR | UV BHARATBHAI |
| | 10191 | LC | DR. MAHESHWARI | KAILASH KRISHNALAL |
| | 10192 | LC | DR. MAHESHWARI | DARSHNABAI KAILASH |
| U | | | | |

Attention

Payment of more than Rs. 500/- will be received by cheque or transfer only, not by CASH now onwards.

Please cooperate us and sorry for inconvenience.

CONGRATULATIONS



AJINKYA DEEPAK NAIK

Son of

Dr. Deepak Mahabaleshwar Naik

M.D. Gynaec

Dr. Sonali Deepak Naik

M.D. Gynaec

Got admission to the MBBS course at AIIMS NEW DELHI - Session (2020) only Student to get Admission from Ahmedabad (UR)

Dr. Manjit Nayak has been awarded the 1st Prize in Online Essay Writing Competition Scratching Quills held on the topic - HAZARDS OF MIXOPATHY during PIMACON 2020 Students Conclave at 73rd Punjab State IMA Conference.

DISCLAIMER

Opinions in the various articles are those of the authors and do not reflect the views of Ahmedabad Medical Association. The appearance of Advertisement is not a guarantee or endorsement of the product or the claims made for the product by the manufacturer.

OBITUARY)

We send our sympathy & condolence to the bereaved family. May their soul rest in eternal peace.



DR. SUSHMA M. DAVE LC-158 M.B.B.S.

Date of Birth : 14-01-1947 Date of Death : 15-11-2020



DR. SURESHBHAI R. SHAH

L-1124 M.B.B.S. M.D.

Date of Birth : 29-11-1941 Date of Death : 17-12-2020



DR. VINODCHANDRA R. CHOKSHI

L-9252 M.B.B.S.

Date of Birth : 04-09-1931 Date of Death : 21-12-2020



DR. NAGINDAS H. VORA

L-1293 L.M.P.

Date of Birth : 08-10-1937 Date of Death : 29-12-2020



DR. JITENDRA R. PATEL

LC-678 SURGEON

Date of Birth : 14-06-1949 Date of Death : 01-02-2021

OBITUARY



DR. KAMALKANT R. ASHTEKAR

L-31 M.B.B.S.

Date of Birth : 14-12-1932 Date of Death : 12-02-2021

CORONA WARRIORS



DR. DIPIKA J. PATEL

LC-679 GYN

Date of Birth : 26-08-1948 Date of Death : 09-12-2020



DR. INDRAJIT K. RAMNANI

L-1700 M.D.

Date of Birth : 15-01-1953 Date of Death : 12-12-2020



DR. TANUMATIBEN G. SHAH

LC-900 M.S.

Date of Birth : 21-12-1922 Date of Death : 08-02-2021

EX-RETIRED PROF. OF OB & GYN AT BIMC ORATION IN NAME OF HER AT AMA ONE OF FOUNDER MEMBER

糠

લેકીઝ-કલલ

"STRONG WOMEN EMPOWER EACHOTHER"

Dear Friends,

Valentine's Day નું Celebration 'Partner Yoga and Meditation" દ્વારા પ્રારંભ સિનિયર સિટીઝન ટાઉનશીપ, બાવળા ખાતે અનોખી રીતે કર્યું.

આપ સૌના ઉષ્માભર્યા સહકાર અને ઉપસ્થિતી માટે આભાર.

પ્રોગ્રામ નં. ૧૦ :-

આંતરરાષ્ટ્રીય મહિલા દિનની ઉજવણી

GSB-WDW, AMA અને AMA Ladies સાથે

તારીખ : ૦૭-૦૩-૨૦૨૧, રવિવાર

સમય : સવારે ૧૦.૦૦ થી ૦૧.૦૦ કલાકે

સ્થળ : અમદાવાદ મેડિકલ એસોસિએશન

આશ્રમ રોડ, અમદાવાદ.

રજાસ્ટેશન કી - ૫૦/- 3ા.

ખૂબ બધા આકર્ષક ઈનામો સાથે હાઉસી અંતમાં અલ્પાહાર તો ખરો જ.

પ્રોગ્રામ નં. ૧૧ :-

डियन गार्डन

આર્ટ ઓફ લિવિંગના શિક્ષક શ્રી ચિંતનભાઈ વ્યાસ દ્વારા તાજા શાકભાજી વગેરે ઘરે કેવી રીતે ઉગાડી શકાય ? તે માટે માર્ગદર્શન પૂરું પાડવામાં આવશે.

તારીખ : ૦૨-૦૪-૨૦૨૧, શુક્રવાર

સમય : સવારે ૦૩.૦૦ થી ૦૫.૦૦ કલાકે

સ્થળ : એ.એમ.એ. હોલ

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ડૉ. ક્રિરીટભાઇ સી. ગઢવી

સેકેટરી

અમદાવાદ મેડિક્લ એસોસિએશન

અમદાવાદ મેડિક્લ એસોસિએશન

ડૉ. ઘીરેન મહેતા

IMA COVID MARTYRS FUND

Following Doctor's / NGO have donated generously towards **IMA COVID MARTYRS FUND** Payment already received by IMA HQ, New Delhi

| No. | Name | Branch | Rs. |
|-----|---------------------------------|-----------|-------|
| 380 | Dr. Shah Shailesh A. | Ahmedabad | 25000 |
| 381 | Dr. Patel Niranjan K. | Kalol-ng | 1111 |
| 382 | Dr. Trivedi Diwakar | Petlad | 5000 |
| 383 | Dr. Vankar Vasantkumar | Navsari | 5000 |
| 384 | Dr. Ajani Nishith | Sidhpur | 5000 |
| 385 | Dr. Bhargav Rajesh R. | Sidhpur | 5000 |
| 386 | Dr. Bhatt Ajay Jagdishchandra | Sidhpur | 5000 |
| 387 | Dr. Jansari Dinesh | Sidhpur | 5000 |
| 388 | Dr. Mansuri Anis | Sidhpur | 5000 |
| 389 | Dr. Mansuri Rubina | Sidhpur | 5000 |
| 390 | Dr. Mevada Atul | Sidhpur | 5000 |
| 391 | Dr. Modh Dinesh Bhogilal | Sidhpur | 5000 |
| 392 | Dr. Nayak Mahesh | Sidhpur | 5000 |
| 393 | Dr. Patel Dinesh Manilal | Sidhpur | 11000 |
| 394 | Dr. Patel Prahlad R. | Sidhpur | 11000 |
| 395 | Dr. Patel Rameshchandra H. | Sidhpur | 5000 |
| 396 | Dr. Patel Shailesh V. | Sidhpur | 5000 |
| 397 | Dr. Sengar Mainendrasingh | Sidhpur | 3000 |
| 398 | Dr. Shukla Virendra G. | Sidhpur | 5000 |
| 399 | Dr. Suthar Jayesh | Sidhpur | 5000 |
| 400 | Dr. Mulla Abdulvaid A. | Surat | 5000 |
| 401 | Dr. Patel Chandrakant Bachubhai | Surat | 5000 |
| 402 | Dr. Tahura Mira | Surat | 5000 |
| 403 | Dr. Viradia Dipak Prafulbhai | Surat | 11000 |
| 404 | Dr. Patel Kantilal N. | Valsad | 21000 |
| | * * * * | * | |
| | | | |

N.B.:

 $(1) \quad \hbox{Those who have committed are requested to transfer the fund amount.}$

(2) If you have paid already then please intimate to IMA GSB office with details -

Name, Payment Receipt & PAN No.

E-mail: imagsb@gmail.com Whatsapp: 98250 62381

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COVID-19 symptoms can sometimes persist for months. The virus can damage the lungs, heart and brain, which increases the risk of long-term health problems.

Most people who have coronavirus disease 2019 (COVID-19) recover completely within a few weeks. But some people — even those who had mild versions of the disease - continue to experience symptoms after their initial recovery.

These people sometimes describe themselves as "long haulers" and the condition has been called post-COVID-19 syndrome or "long COVID-19."

Older people and people with many serious medical conditions are the most likely to experience lingering COVID-19 symptoms, but even young, otherwise healthy people can feel unwell for weeks to months after infection. The most common signs and symptoms that linger over time include:

- **Fatigue**
- Shortness of breath
- Cough
- Joint pain
- Chest pain

Other long-term signs and symptoms may include:

- Muscle pain or headache
- Fast or pounding heartbeat
- Loss of smell or taste
- Memory, concentration or sleep problems
- Rash or hair loss

Organ damage caused by COVID-19

Although COVID-19 is seen as a disease that primarily affects the lungs, it can damage many other organs as well. This organ damage may increase the risk of long-term health problems. Organs that may be affected by COVID-19 include:

Heart: Imaging tests taken months after recovery from COVID-19 have shown lasting damage to the heart muscle, even in people who experienced only mild COVID-19 symptoms. This may increase the risk of heart failure or other heart complications in the future.

Lungs: The type of pneumonia often associated with COVID-19 can cause long-standing damage to the tiny air sacs (alveoli) in the lungs. The resulting scar tissue can lead to long-term breathing problems.

Brain: Even in young people, COVID-19 can cause strokes, seizures and Guillain-Barre syndrome — a condition that causes temporary paralysis. COVID-19 may also increase the risk of developing Parkinson's disease and Alzheimer's disease.

Blood clots and blood vessel problems:

COVID-19 can make blood cells more likely to clump up and form clots. While large clots can cause heart attacks and strokes, much of the heart damage caused by COVID-19 is believed to stem from very small clots that block tiny blood vessels (capillaries) in the heart muscle.

Other parts of the body affected by blood clots include the lungs, legs, liver and kidneys. COVID-19 can also weaken blood vessels and cause them to leak, which contributes to potentially long-lasting problems with the liver and kidneys.

Problems with mood and fatigue:

People who have severe symptoms of COVID-19 often have to

be treated in a hospital's intensive care unit, with mechanical assistance such as ventilators to breathe. Simply surviving this experience can make a person more likely to later develop posttraumatic stress syndrome, depression and anxiety.

Because it's difficult to predict long-term outcomes from the new COVID-19 virus, scientists are looking at the long-term effects seen in related viruses, such as the virus that causes severe acute respiratory syndrome (SARS).

Many people who have recovered from SARS have gone on to develop chronic fatigue syndrome, a complex disorder characterized by extreme fatigue that worsens with physical or mental activity, but doesn't improve with rest. The same may be true for people who have had COVID-19.

Many long-term COVID-19 effects still unknown

Much is still unknown about how COVID-19 will affect people over time. However, researchers recommend that doctors closely monitor people who have had COVID-19 to see how their organs are functioning after recovery.

Many large medical centers are opening specialized clinics to provide care for people who have persistent symptoms or related illnesses after they recover from COVID-19.

It's important to remember that most people who have COVID-19 recover quickly. But the potentially long-lasting problems from COVID-19 make it even more important to reduce the spread of the disease by following precautions such as wearing masks, avoiding crowds and keeping hands clean.

Source: www.mayoclinic.org

Newer innovations in Cardiology

The field of cardiology has progressed greatly over last 40 years, since the success of percutaneous angioplasty done by Dr. Andrea Gruntzig. In the last decade, there has been tremendous growth in structural interventions. There is a fundamental difference in the approach of a surgeon and an interventionists as the surgeon can actually see the heart in three dimension whereas an interventionist depends on pattern recognition and 2D imaging. The whole scenario is akin to walking in broad daylight for a surgeon versus roaming in dark alley for an interventionist.

However we describe a few innovations which have catapulted the field of structural cardiology.

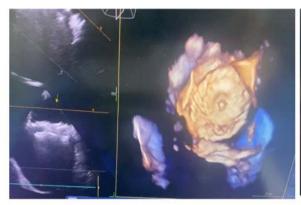
There have been great advances in 3D and Fusion imaging and 3D printing has also arrived in a big way and is helping the cardiologist in understanding and planning procedures.

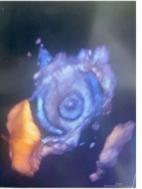
3D Echocardiography:

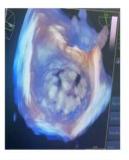
This modality has helped greatly in the emergence of structural intervention. 3D Echocardiography is useful in image guidance during structural procedures like ASD closure, paravalvular leak, Mitra-clip and assisting during surgical procedures.

The newer modalities in 3D help in easy real lifelike identification of lesions and assist in procedures.

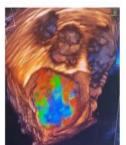
3 D echo cardio gram for ASD Closure

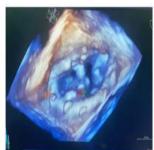






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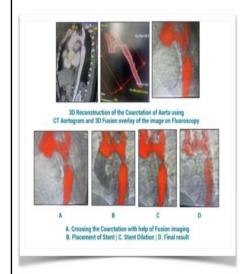


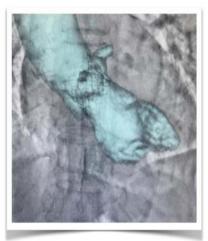
3Dechocardiography of Barlow valve pre surgery and after repair

Fusion imaging.

Fusion imaging using either echocardiography, rotational angiography or CT, MRI images can be used to guide in complex intervention like coarctation of aorta, TAVR, paravalvar leak, and conduit stenting.

We have used fusion imaging in a case of coarctation for stenting and during TAVR to see for coronary status.





CT fusion imaging over-layed on flouro screen to show that the left coronary artery is away from the TAVR valve

3D printing

Additive technologies like 3D printing have ushered in a new era in the structural procedures.

3D printing can help in understanding the anatomy of interest as well as plan the procedure. It can also be used to print a pathological model of interest and learn a procedure through simulation.

We have used the same to learn aortic valve crossing and ductal stenting. We have used virtual imaging with segmenting a CT Cardiac image to help the surgeon understand extent of the disease.

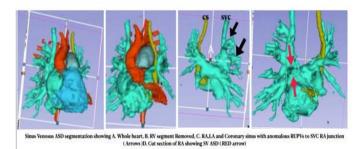




Ductal stenting and Aortic valve crossing being learned on a 3 D printed model for simulation training



3D printed aortic valve revealing location of calcium and extent of calcification in severely stenosis valve

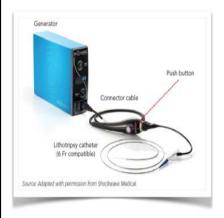


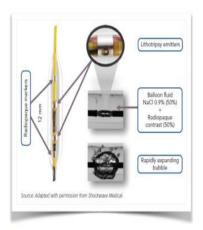
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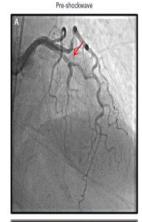
SHOCK WAVE INTRAVASCULAR LITHOTRIPSY

There has been a tremendous growth in percutaneous angioplasty, however calcific vessels have remained since long a major problem. A new tool shockwave lithotripsy which uses Dino graphic waves to break the calcium has arrived recently and has appreciably helped in dealing with calcific vessels too

With these new innovations and many more to come the field of structural interventions is entering a very exciting phase









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