



**Manufactured by: M/s. Kalaga Herbal research Labs Pvt Ltd., and
Marketed by: M/s. Kalaga Integrated Health Care Pvt Ltd.**



CARDOMAX

Endothelial Dysfunction and Inflammation are the basic root causes of Cardio Vascular Diseases (CVD) and CARDOMAX can improve Vascular Function and General Health.

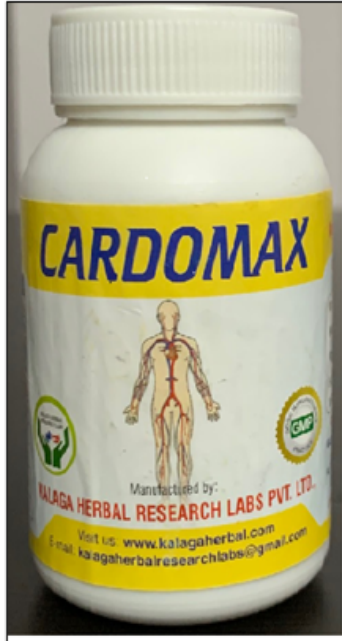
Non-Invasive Medical Management of CVD

1 or 2 CAP –Bi-Daily for a period of 90 days or as advised by Physician

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Cardomax – Capsules Benefits:

- 1. Addresses Endothelial Dysfunction, by correction of Nitric Oxide Bio- availability.**
- 2. Acts as Blood thinner.**
- 3. Improves blood circulation.**
- 4. Improves LVEF or Heart Pumping Capacity function.**
- 5. Strengthens Heart Muscles.**
- 6. Supports Anti-Inflammatory, Anti-Oxidant and Anti-tumour activity.**
- 7. Improves Insulin sensitivity**

Manufactured by: M/s. Kalaga Herbal Research Labs Pvt Ltd., 16-4-38, First Floor, Kalaga Mart, M. G. Road, Palakollu -534260, W. G. Dt., Andhra Pradesh.

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www.kalagaherbal.com

Marketed by: M/s. Kalaga Integrated Health Care Pvt Ltd., 2-2-1109/1, Flat No. 501, Brindavan Apartments, Bagh Amberpet, Hyderabad -50013, Telangana.

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CARDOMAX 2

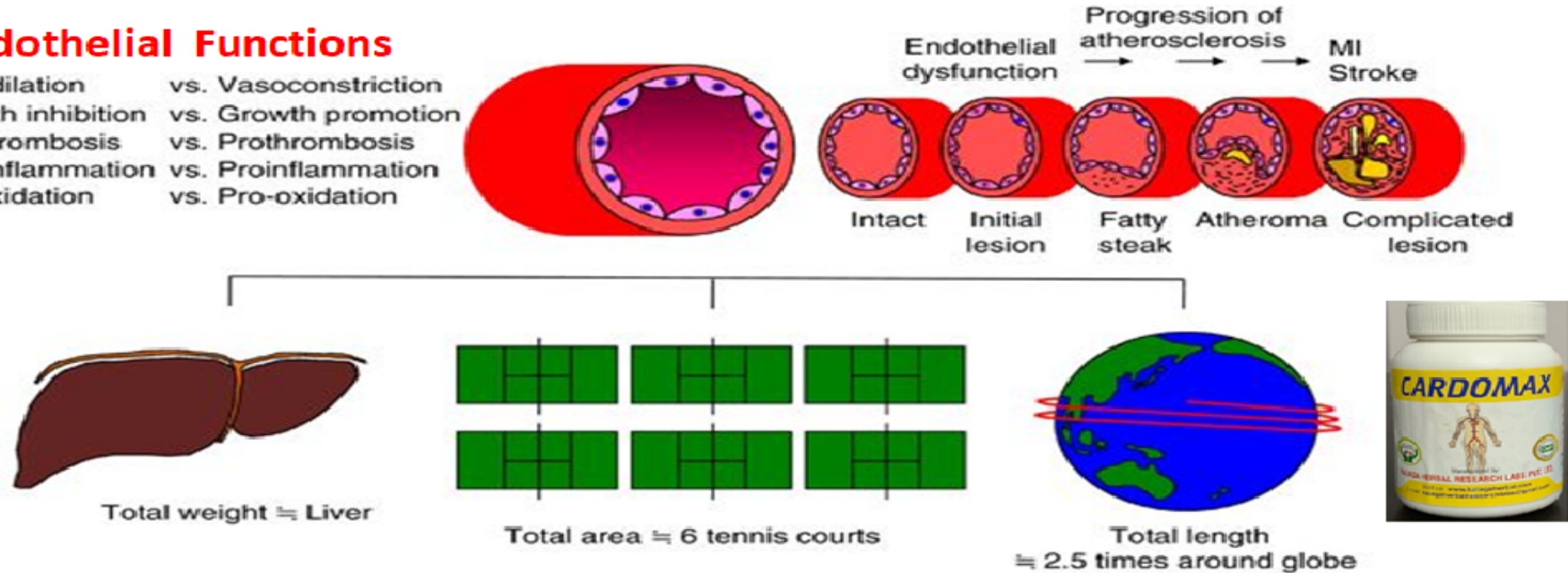


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Endothelial Functions

Vasodilation	vs. Vasoconstriction
Growth inhibition	vs. Growth promotion
Antithrombosis	vs. Prothrombosis
Anti-inflammation	vs. Proinflammation
Antioxidation	vs. Pro-oxidation

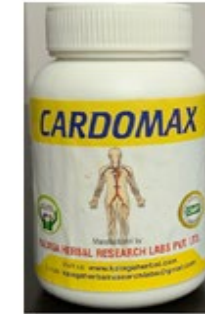
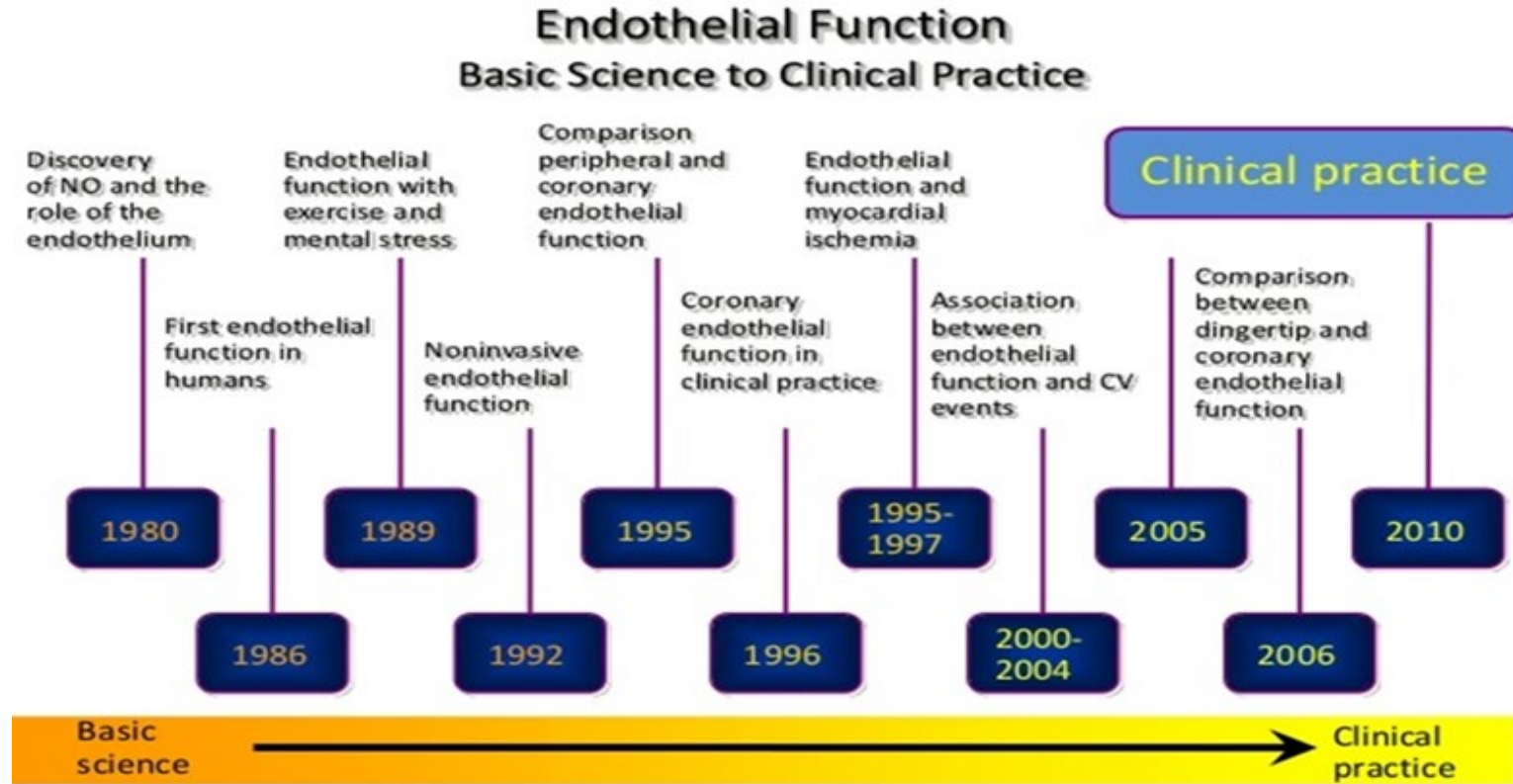


- In average life time heart pumps around 1,000,000 barrels of blood.
- Human vascular tree length (Arteries, veins capillaries etc.) 100,000 miles.
- Endothelium helps to keep vascular homeostasis and its function, is not only autocrine, but also paracrine and endocrine.

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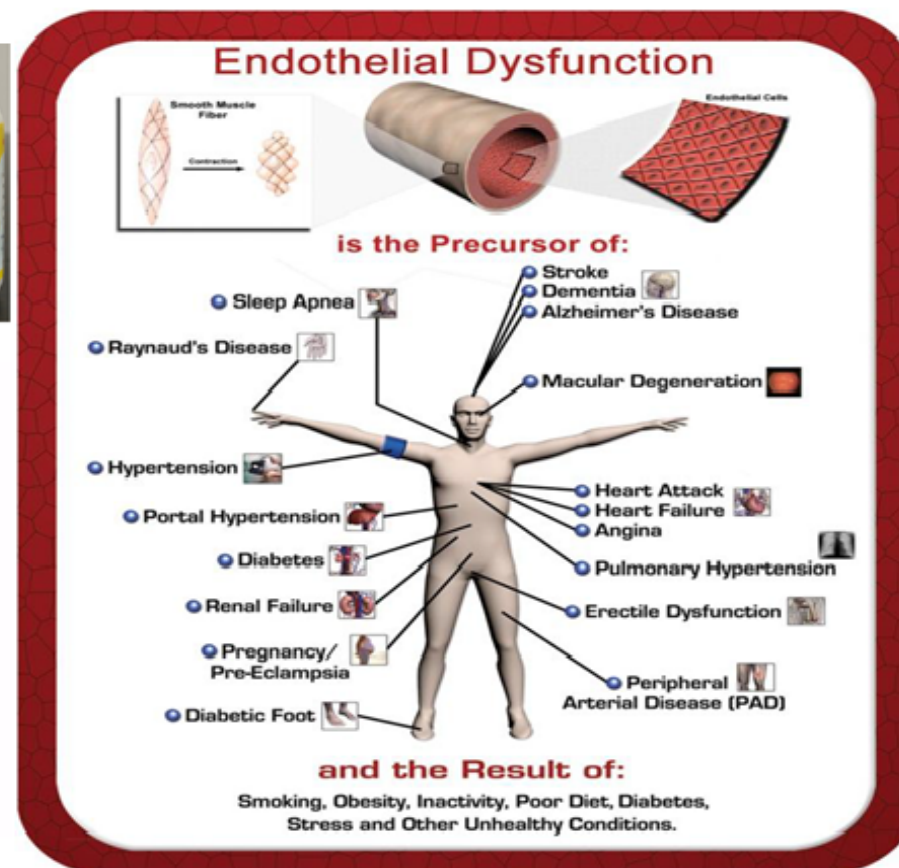
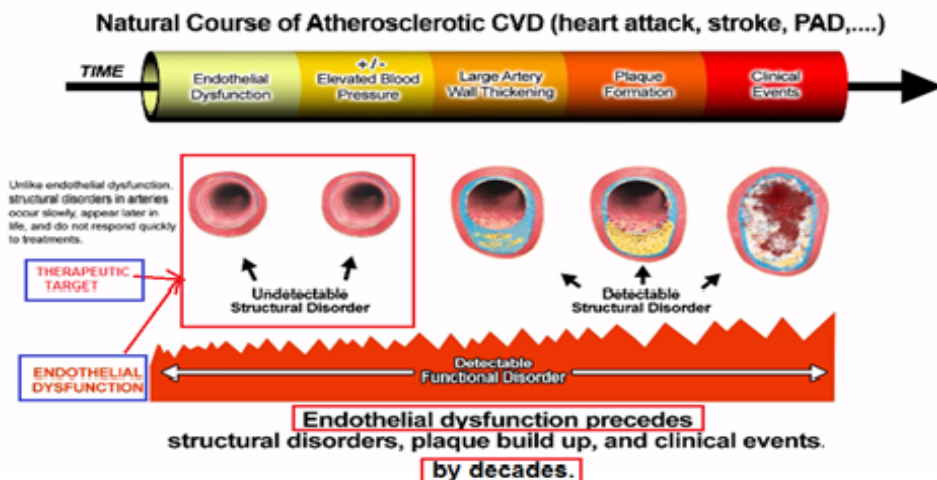
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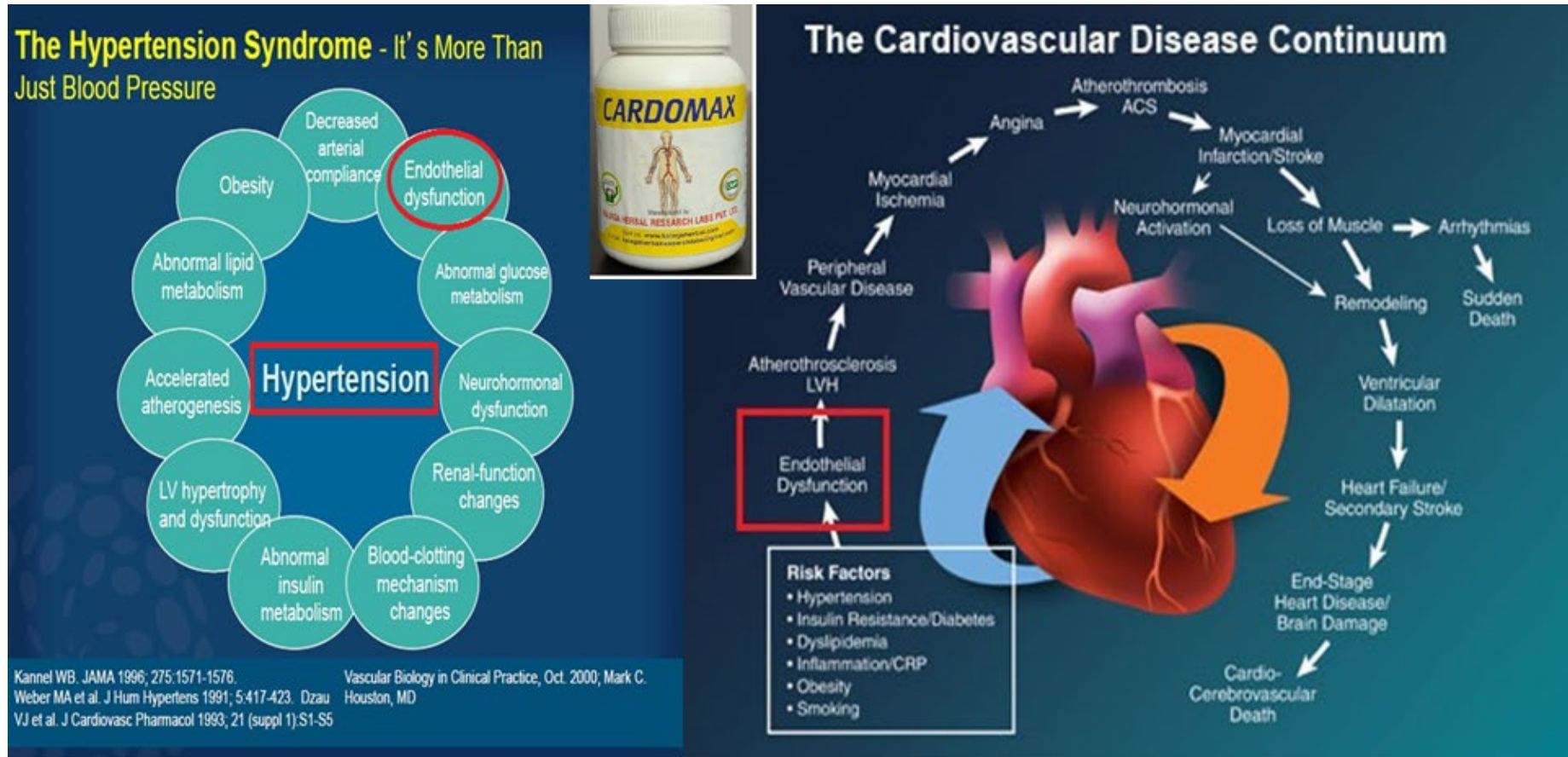
ALARMING RESEARCH IS BEGINNING TO INDICATE THAT HAVING A DAMAGED ENDOTHELIAL LINING CAN ACTUALLY CAUSE HYPERTENSION, DIABETES, AND A WHOLE SWATH OF OTHER DAMAGING HEALTH ISSUES.



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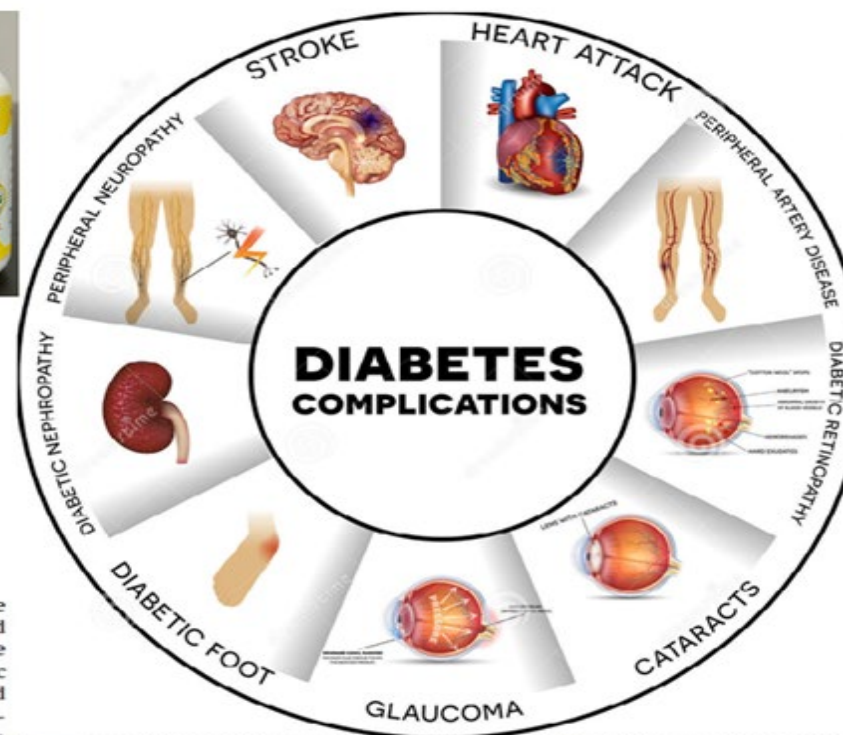
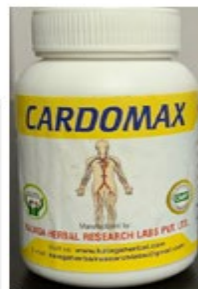
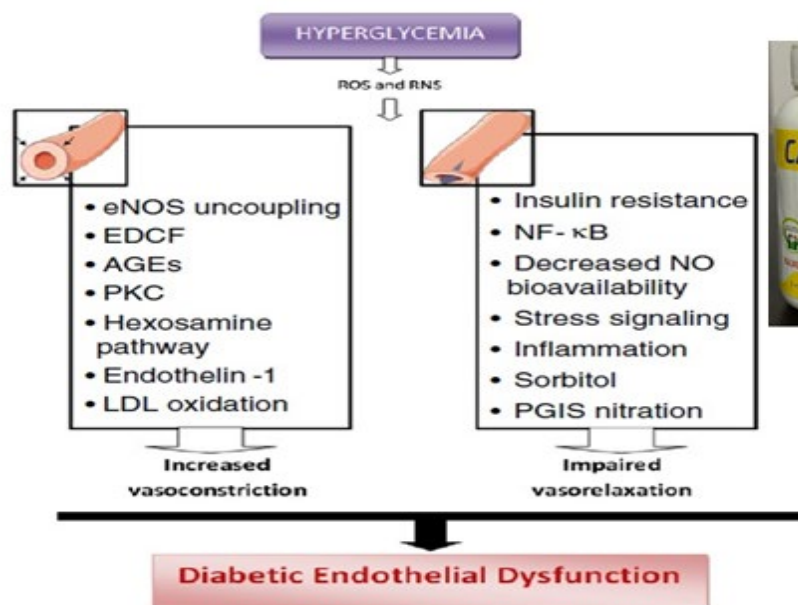
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Endothelial dysfunction in diabetes. Prolonged exposure to hyperglycemia is the major culprit in the pathogenesis of diabetic complications, involving increased ROS and RNS production. Oxidative stress leads to an imbalance in the vascular homeostasis due to increased vasoconstriction and impaired vasorelaxation that ultimately fosters diabetic endothelial dysfunction. AGEs, advanced glycation end products; EDCF, endothelium-derived contracting factors; eNOS, endothelial nitric oxide synthase; FFAs, free fatty acids; PKC, protein kinase C; PGIS, prostacyclin synthase; NF- κ B, nuclear factor-kappa B; NO, nitric oxide; RNS, reactive nitrogen species; ROS, reactive oxygen species.

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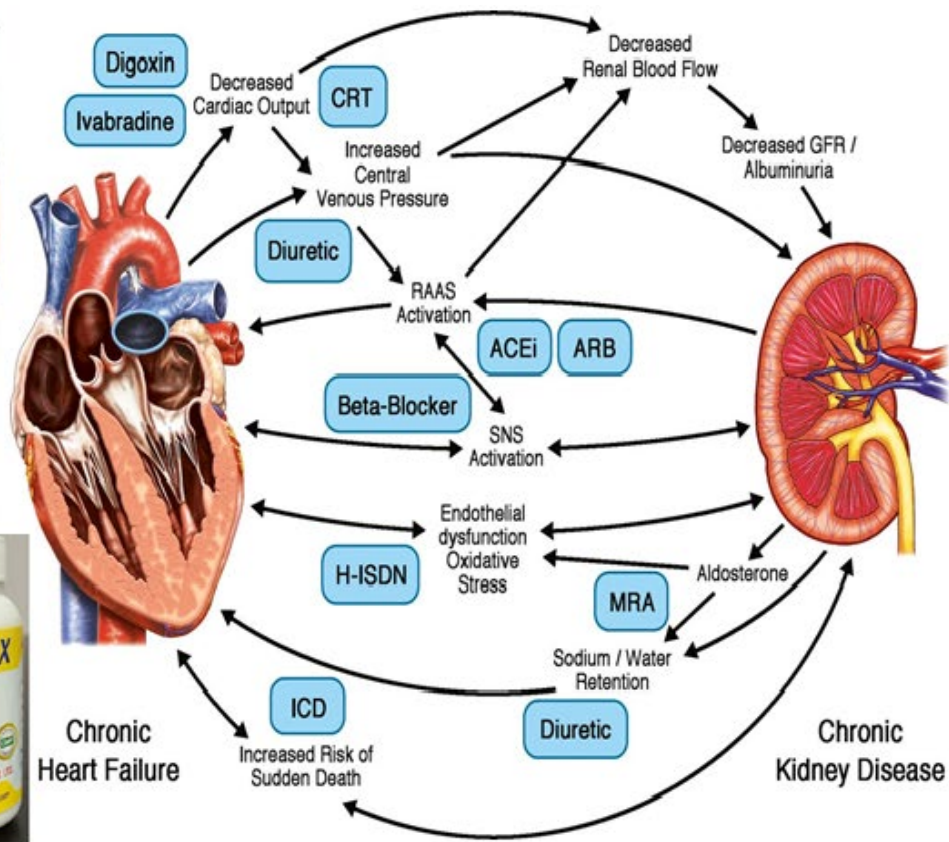
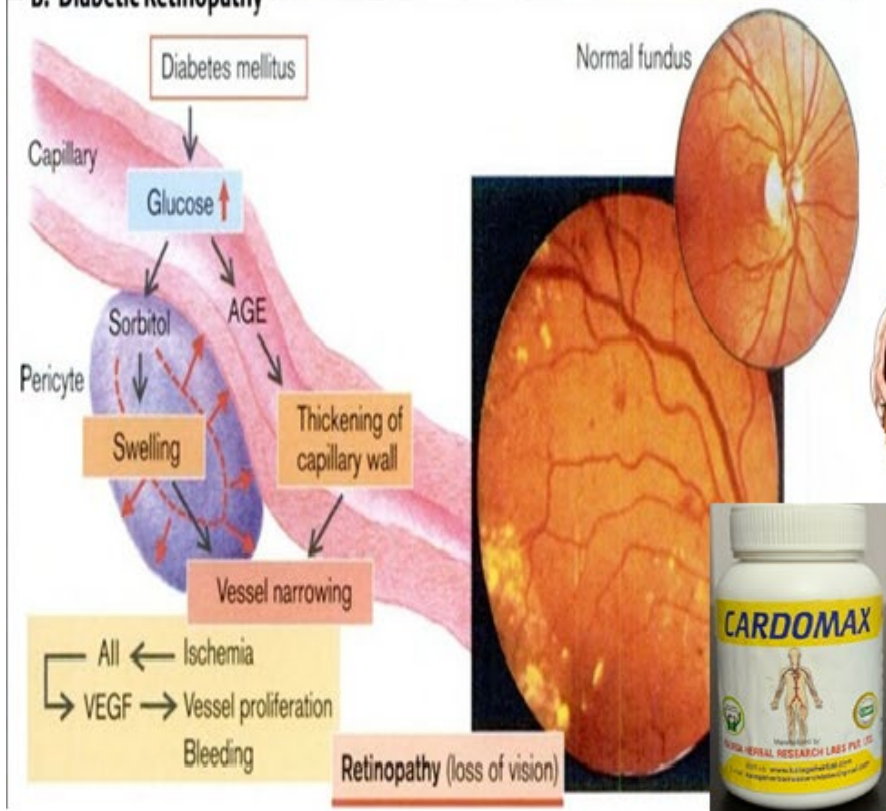
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B. Diabetic Retinopathy



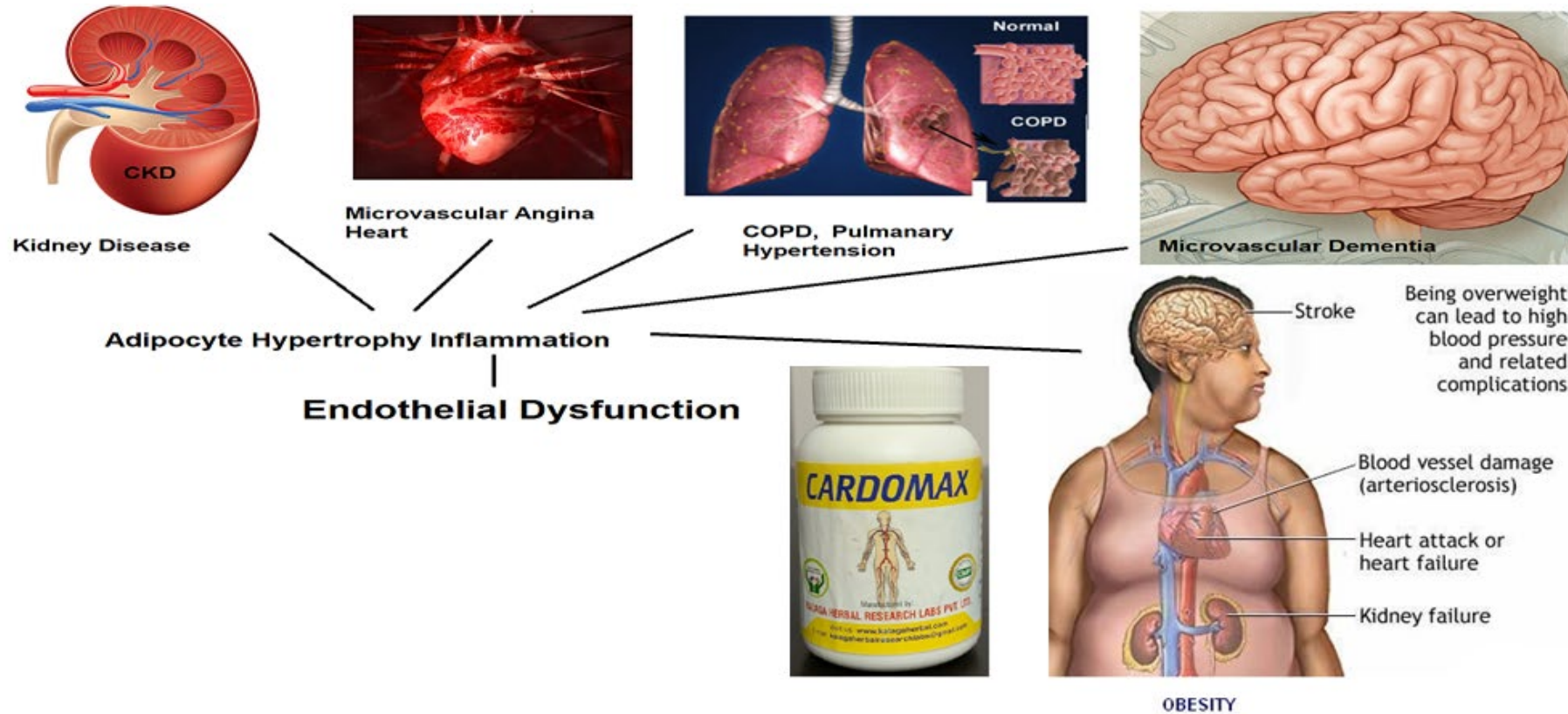
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CARDOMAX 8



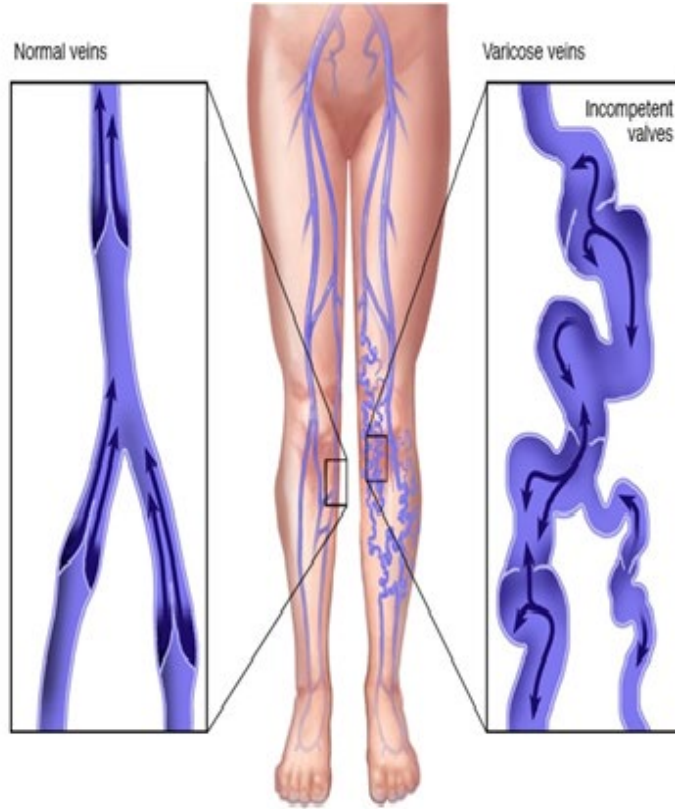
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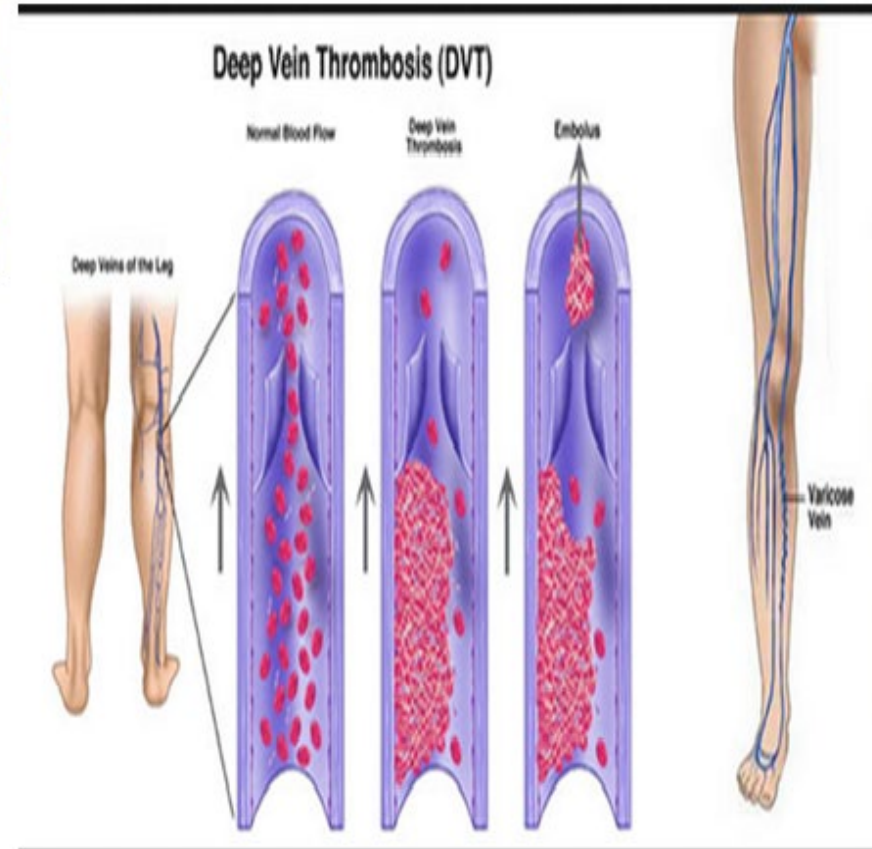
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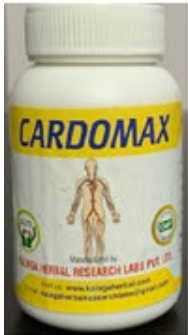
CARDOMAX 10



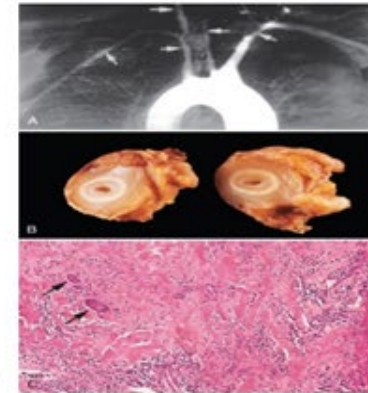
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AUTOIMMUNE DISEASES



Takayasu's Arteritis



Narrowing of brachiocephalic, carotid, and subclavian arteries (arrows)

Marked intimal thickening with minimal residual lumen

Granulomatous inflammation

Complications

The severity of Takayasu's arteritis may vary. In some people, the condition remains mild and doesn't produce complications. But in others, extended or recurring cycles of inflammation and healing in the arteries can lead to one or more of the following:

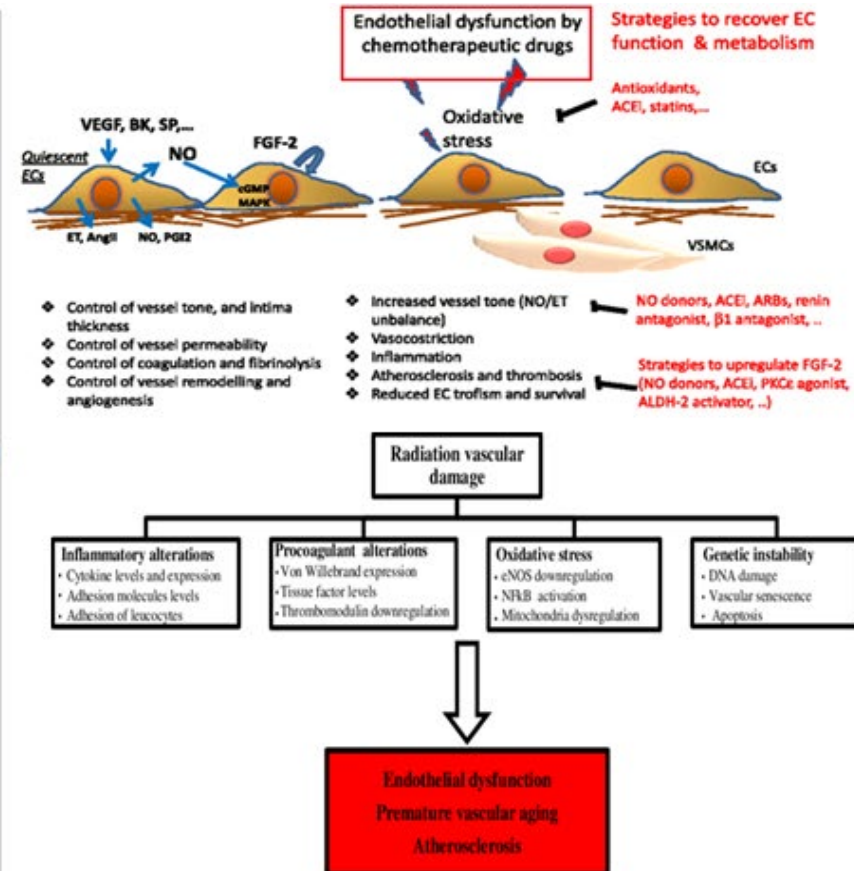
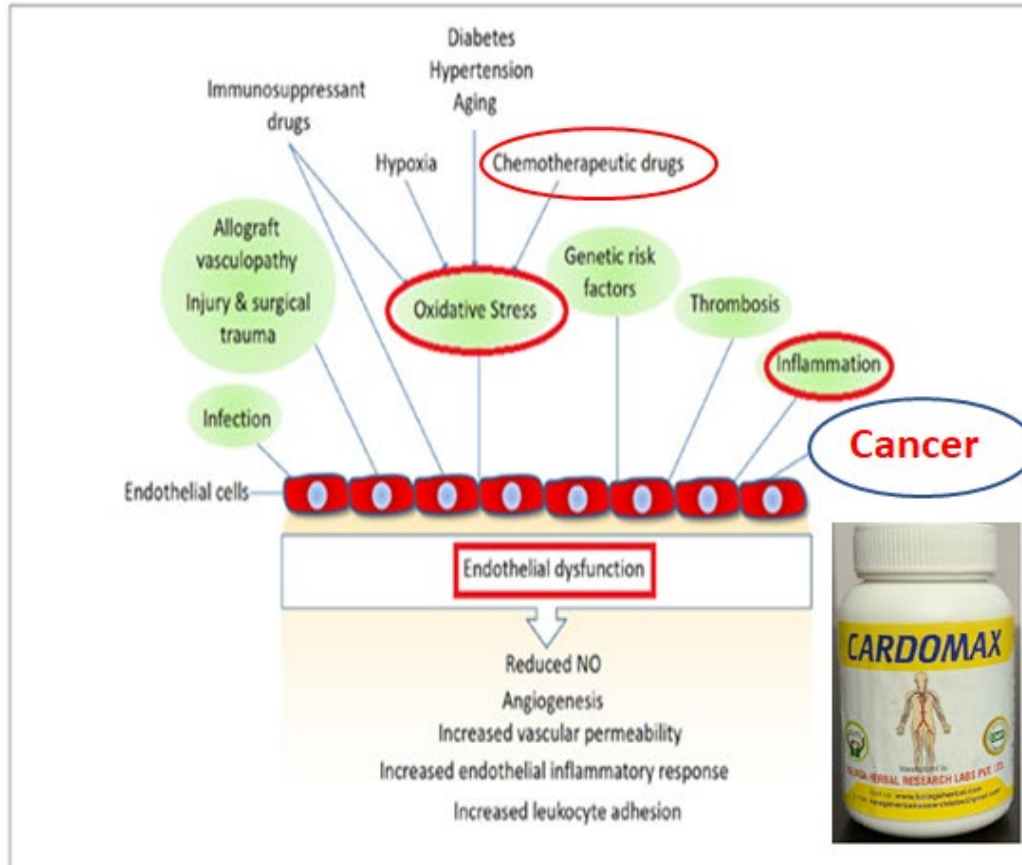
- **Hardening and narrowing of blood vessels**, which can cause reduced blood flow to organs and tissues.



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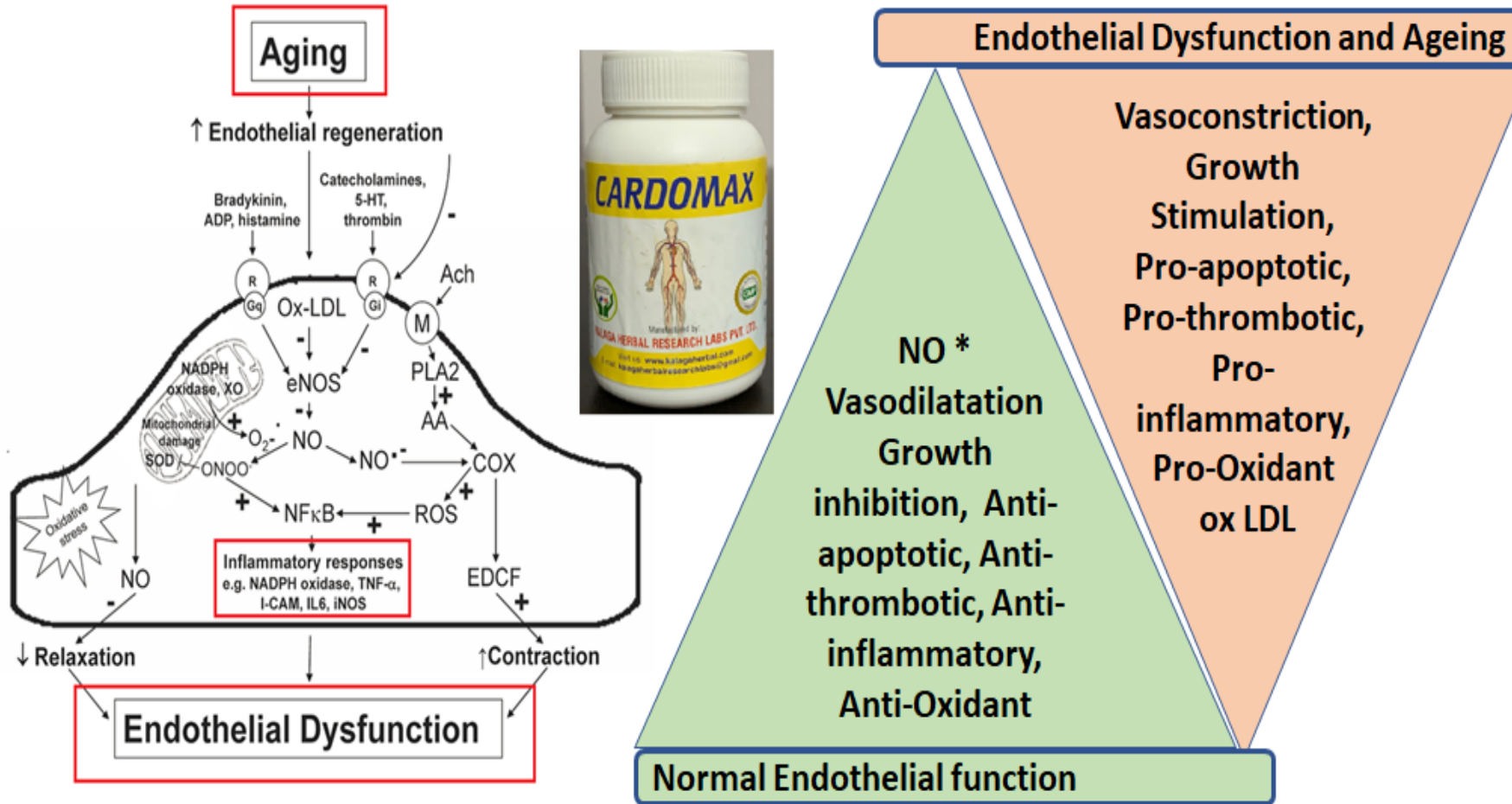
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Sl. No.	Sanskrit Name Or Local Name	Botanical Name	Part used	Classical Reference
1	Arjuna	Terminalia arjuna	Stem	API – Vol II, P 17-18
2	Gokhru	Tribulus terrestris L	Fruit	API – Vol I, P 39
3	Pushkarmool	Inula racemosa	Root	API – Vol IV, P 102
4	Jatamansi	Nardostachys jatamansi	Root	API – Vol I, P 86-88
5	Burans	Rhododendron arboreum	Flower	1. Sushruta-Sushrut Samhita sutra stana page 390, 391,392,393. P. V Prof, with English translation & Dalhana's commentary, Vol I reprint, ChaukhambaVisva Bharati, Varanasi, 1998. 2. Singh T B & Chuneekar KC Dr, Glossary of Vegetable Drugs in Brhatrayi Chaukhamba Sanskrit series, Varanasi, 447-448, 1972
6	Guggulu	Commiphora mukul	Gum Resin	API PART – I, VOL – I, 28 PAGE NOS. 73 - 74
7	Lashuna	Allium sativum Linn.	Bulb	API PART – I, VOL – III, 50 PAGE NOS. 163 to 165
8	Guduci	Tinospora cordifolia	Whole plant	API PART – I, VOL – I, 27 PAGE NOS. 70 -72
9	Amlavetas	Hippophae salicifera	Fruit	The Ayurvedic Formulary of India – Part III – Page 420, Item – 11, Department of AYUSH, Govt. Of India, Central Council for Research in Ayurveda and Siddha, Unani, Youga, Homeopathy (CCRAS), New Delhi. 2011



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REGD. OFFICE: 2-2-1109/1, C.E.COLONY, BAGH AMBERPET,
HYDERABAD - 500013, TELANGANA - MOBILE: 9849870762

LVEF Dysfunction and Cardomax Capsules

CADOMAX CAPSULES ADDITION 90 DAYS 1 CAPSULE TWICE A DAY

BEFORE CARDOMAX CAPSULES

ex : Female
Age : 78 Yrs
Date : 09/08/2019

2D - ECHO CARDIOGRAM AND COLOUR DOPPLER REPORT

MITRAL VALVE	:	Norm/ MAC
TRICUSPID VALVE	:	Normal
AORTIC VALVE	:	Normal
PULMONARY VALVE	:	Normal
RIGHT VENTRICLE	:	1.8 cm
LEFT ATRIUM	:	3.2 cm
AORTA	:	3.6 cm

LEFT VENTRICLE

LVE DD	:	4.6 cm	EF	:	30 %	AJV	:	1.1 m/s
LVE SD	:	3.6 cm	FS	:	15 %	PJV	:	0.9 m/s
IVS	:	1.7 cm	LVPW	:	0.6 cm	Dec.Aov	:	1.0 m/s
LV MASS	:	— cm	RWMA	:	Nil	E/A	:	<1

PULMONARY VEINS : Normal
IVS : Normal/ 1.7cm
IAS : Normal
IVC / SVC / CS : normal
PERICARDIUM : Normal
INTRACARDIAC MASSES : Normal

COLOUR FLOW

AORTIC	:	AR+
PULMONARY	:	Normal
MITRAL	:	MR++
TRICUSPID	:	Normal

IMPRESSION

E/O Diastolic dysfunction grade-I/ NSTEMI/ New c-RBBB.
No LV/LA clot. ASH- 1.7CM
Normal Valves and Chambers. Mild MR and AR.
Severe Hypokinetic of RCA region.
Severe LV Dysfunction. High Risk Status.

AFTER CARDOMAX CAPSULES

Print Date : 11/12/2019 12:38
Age / Sex : 78 Years / Female

ECHO COLOUR DOPPLER STUDY
TRANSDUCER FREQUENCY - 2.5/3.5/5.0 MHZ

MITRAL VALVE	:	Normal
AORTIC VALVE	:	Normal
PULMONARY VALVE	:	Normal
TRICUSPID VALVE	:	Normal
LEFT ATRIUM	:	3.6 cm
RIGHT ATRIUM	:	Normal
RIGHT VENTRICLE	:	Normal
AORTA	:	3.5 cm

LEFT VENTRICLE : ESD = 3.1 cm EDD = 4.5 cm EF = 58%
PW = 0.9 cm IVS = 1.1 cm FS = 30%

IAS : Intact
IVS : Intact
IVC / SVC / CS : Normal
PULMONARY VEINS : Normal
PERICARDIUM : Normal
INTRACARDIAC MASSES : Nil

MITRAL FLOW : E = 0.6 m/sec
A = 1.3 m/sec
AORTIC FLOW : 1.4 m/sec
PULMONARY FLOW : 0.7 m/sec
TRICUSPID FLOW : Normal

CONCLUSION :

- * NO REGIONAL WALL MOTION ABNORMALITY
- * GOOD LV SYSTOLIC FUNCTION
- * ALTERED DIASTOLIC COMPLIANCE
- * NORMAL VALVES

PHYSICIAN'S INFORMATION ONLY

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