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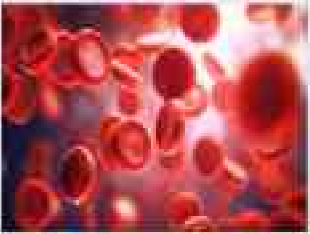

SOUVENIR CUM PROCEEDINGS
2025







Executive Committee for Conference

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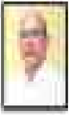

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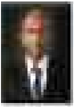

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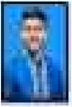

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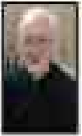

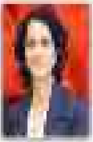

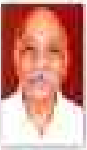

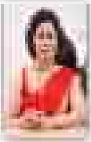

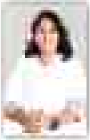

About Institution

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About College

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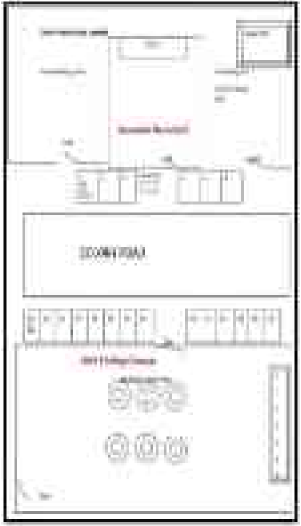

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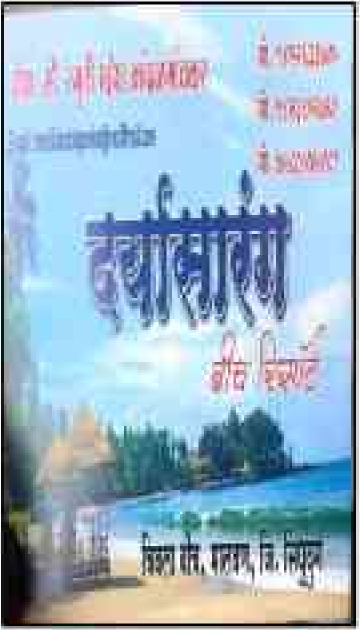
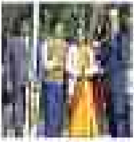


With Best Compliments


GURUKRUPA
LABORATORY
THALASSEMIA SCREENING
AND TESTING CENTRE

YASH CLINICAL COMPUTERISED LAB



JAY CLINICAL LAB

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With the best Compliments

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MEDICO-LAB

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With the best Compliments

Education Awareness & Detection of Thalassemia to Make Thalassemia Free Maharashtra 2025

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SMART BIOMEDICAL SERVICES

Your satisfaction is Our Happiness

Shriganesh Chaudhari

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With the best Compliments

Education Awareness & Detection of Thalassemia to Make Thalassemia Free Maharashtra 2025

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Calculation of Standard Deviation

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Thalassemia Awareness: Comprehensive Guide on Causes, Prevention, and Management

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What is Thalassemia?

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Types of Thalassemia

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- **Thalassemia Minor:** [illegible]
- **Thalassemia Intermedia:** [illegible]
- **Thalassemia Major:** [illegible]

Who Can Get Thalassemia?

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Symptoms of Thalassemia

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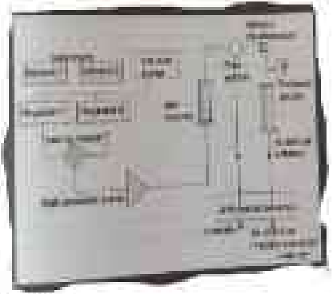

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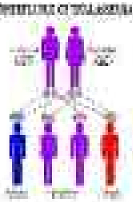

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Advancements in Thalassemia Treatment: From Blood Transfusions to Gene Therapy

Early Treatment: Blood Transfusions

Iron Chelation: Managing Overload

Bone Marrow Transplantation: A Step Towards a Cure

The Role of Gene Therapy

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The Promise and Challenges of Gene Therapy

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Genetics of Alpha Thalassemia

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Common Mutations

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Peripheral Blood Smear [illegible]

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Fighting against Tuberculosis

Prevention

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Awareness and Education

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Diagnosis and Treatment

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Research and Development

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Policy and Operations [illegible]

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Community Engagement

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The Role of Nutrition in Managing Thalassemia: Dietary Recommendations and Considerations

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Abstract

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A Review on Thalassemia

Introduction

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History

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Types of Thalassemia

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Causes of Thalassemia

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- **Complete Blood Count (CBC) and Peripheral Blood Smear:** [illegible]
- **Hemoglobin Electrophoresis:** [illegible]
- **DNA Analysis:** [illegible]
- **Iron Studies:** [illegible]

Management and Treatment Strategies

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Blood Transfusion Therapy

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Iron Chelation Therapy

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- **Deferoxamine (Desferal):** [illegible]
- **Deferasirox (Exjade):** [illegible]
- **Deferiprone (Ferriprox):** [illegible]

Bone Marrow or Stem Cell Transplantation: [illegible]

Gene Therapy

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Supportive Care and Monitoring

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Conclusion

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