Enhancing the efficiency of philanthropic support through use of AI
Experience of Indian Cancer Society


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Congress theme: Committed to global collaboration and knowledge sharing to accelerate progress in cancer control. Abstract not previously published or presented.

Affiliated organizations: Tata Memorial Hospital, Indian Cancer Society, Homi Bhabha National University, Mumbai
Disclosure of conflict of interest: None
Indian Cancer Society – Awareness to Rehab

- New cancer cases **1.3 million** in 2020
- **800 K** mortality
- Very high financial impact of treatment

11,000 patients benefited
$22.7 million funds disbursed

ICS Inception 1951
HDFC Mutual Fund scheme 2011

India's 1st voluntary, non-profit, national cancer organization

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Eligibility criteria: USD 5,000 per annum family income
Expected 5 year survival: >50%
Maximum support: USD 6,000 per patient
Challenges!!

- Clinicians’ time
- Wide variety of cases
- Variable protocols
- Variable costs
- Physical meetings (increased challenge through Covid)

5 hrs of clinicians’ time per week

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AI optimised the evaluation process – Saved clinicians’ time and standardised protocol and cost

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Implications

- Only 1/5 of applications are referred to DDT for their input
- DDT reviewed **only 37** out of 186 cases per month (average for six months)

- Validated treatment protocol
- Adherence to National Cancer Grid guidelines
- Helped standardise cost of treatment through capping
- Streamlining of processes
- Online meetings

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Artificial Intelligence (AI)

**Patients:** Save costs & time, reduce unnecessary movement, improve outcomes.

**Payers:** Reduce unnecessary expenditure, faster claims processing.

**Providers:** Save experts’ time, standardize care, improve patient outcomes.

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Way forward for ICS – CCF?

• Increase impact by achieving greater **survival rates**
• Increase **outreach** directly and indirectly through **partnerships** and **collaborations** by transfer of technology

How will this help our country?

• Enhance outcome of **government schemes**
• Ideal model for **impact funding** by philanthropy as metrics are highly measurable
• Reduce cost of administering quality health care (CCF cost < 5%)

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Thank You!

Request all to view our digital session proposal
“T411-Cancer Cure: Philanthropy through Asset Management and AI”

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