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A Pharmacy Practice Newsletter

Volume 1 Issue 2

Jul - Dec 2016

A Foreword on Clinical Pharmacy Practice



Dr. Ramesh Adepu
 M. Pharm., Ph. D.
 Vice President,
 Hospital Pharmacy Division,
 Indian Pharmaceutical
 Association

Clinical pharmacy is a patient focused service that ensures patient care through medication use optimization and safe use of medicines by patients through advocacy. By virtue of developing competencies in clinical pharmacy services, clinical pharmacists are complimenting medical care consultant clinicians, consultant clinical pharmacists such as oncology pharmacists, nephrology pharmacists, psychiatry pharmacists, interventional cardiology clinical pharmacists offer expertise clinical pharmacy services to patients.

Many international research findings have corroborated the usefulness of clinical pharmacy service in patient care such as minimizing the medication errors, preventing unwanted drug related problems, improving health outcomes and saving national economy. Currently many corporate hospitals are also employing clinical pharmacists to prevent medication errors and for optimizing drug use.

Editor's Message



Dr. K. Padmalatha,
 M. Pharm., Ph. D.
 Principal,
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We are happy that our debutant newsletter on Pharmacy Practice received a great response from the professionals of Pharma academia. Thanks to all for encouraging us and we request you to extend your support and give your valuable suggestions to make it more informative and accessible to the Pharma professionals. The articles covered in this issue are quite educational and will be of help to those interested in clinical pharmacy. We, the team at VIPW are always ready to give our services towards the upgrading of Pharmacy education. All credits and thanks go to the dedicated staff, students and their team work. No doubt that team work will definitely lead the college to the centre of excellence.

"If you want to go fast, walk alone, if you want to go far, walk together".

Dementia vs. Alzheimer's

	Dementia	Alzheimer's Disease
General Definition	A brain related disorder caused by diseases and other conditions.	A type of dementia. But the most common type.
Cause	Many, including Alzheimer's disease, stroke, thyroid issues, vitamin deficiencies, reactions to medicines, and brain tumors.	Unknown, but the "amyloid cascade hypothesis" is the most widely discussed and researched hypothesis today.
Duration	Permanent damage that comes in stages.	Average of 8 to 20 years.
Typical Age of Onset	65 years and older.	65 years but can occur as early as 30.
Symptoms	Issues with memory, focus and attention, visual perception, reasoning, judgment, and comprehension.	Difficulty remembering newly learned information. With advancement, disorientation, mood and behavior changes may occur.

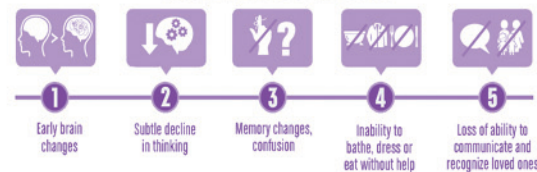
SEPTEMBER 21 is

World Alzheimer's Day



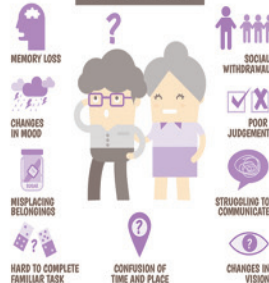
ALZHEIMER'S CARE

THE ALZHEIMER'S TIMELINE



ALZHEIMER'S

TOP 10 EARLY SIGNS



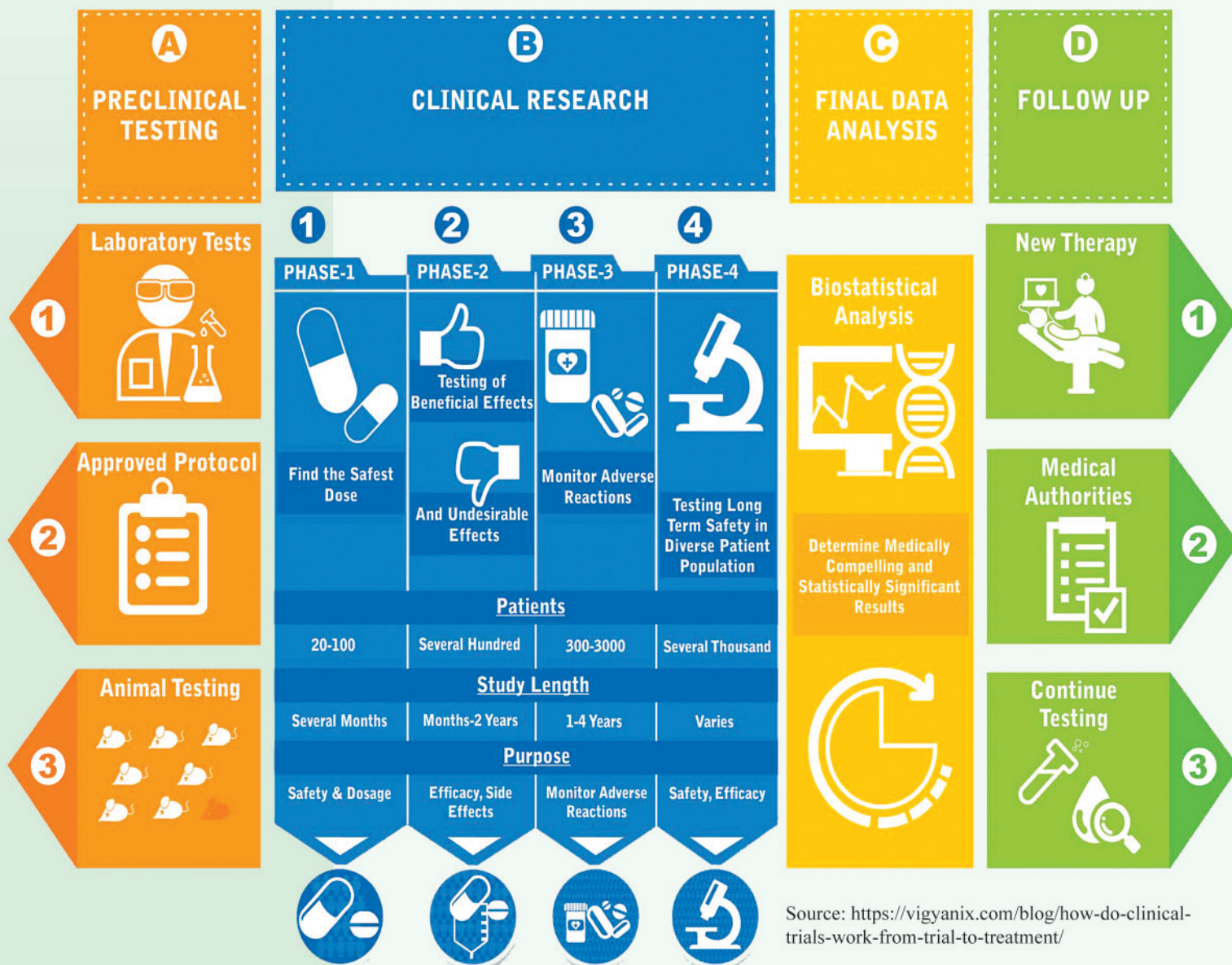
7 Tips to Boost Brain Health





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HOW DO CLINICAL TRIALS WORK From Trial to Treatment



TOP 10

CROs in the Pharma & Biotech Industry

"I slept and dreamt that life was joy, I awoke and saw that life was service, I acted and behold, service was joy."
- RABINDRANATH TAGORE

1. Quintiles
2. Covance
3. Parexel
4. inVentiv Health
5. Icon
6. PRA Health Sciences
7. PPD
8. Charles River Laboratories
9. Chiltern
10. INC Research

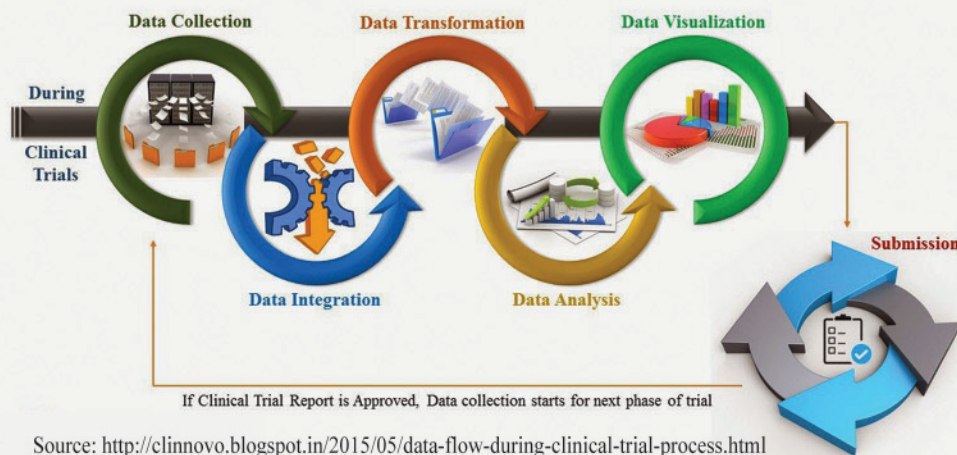
Contract research organizations (CROs) provide clinical trial and other research support services for the pharmaceutical, biotechnology, medical device industries and also serve government institutions, foundations and universities. In the changing economy, pharmaceutical companies are increasingly looking to outsource critical functions, including manufacturing and research. More and more of the major corporations are using CROs to lead clinical trials and develop new medications.

A CRO is an organization contracted by another company to manage and lead the company's trials, duties and functions (Source: <https://www.thebalance.com/contract-research-organizations-cro-2663066>).

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DATA FLOW DURING CLINICAL TRIAL PROCESS



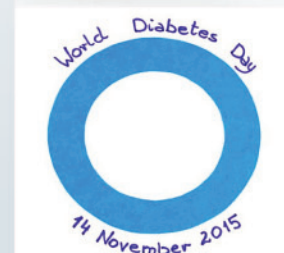
SERVICES PROVIDED BY CROS

- ❖ Project Management
- ❖ Database Design & Build
- ❖ Data Entry & Validation
- ❖ Clinical Trial Data Management
- ❖ Medicine and Disease Coding
- ❖ Quality and Metric Reporting
- ❖ Statistical Analysis Plans & Reports
- ❖ Validation Programming
- ❖ Safety and Efficacy Summaries
- ❖ Final Study Report

NOVEL DRUG APPROVALS FOR 2016

Drug Name	Active Ingredient	Approval Date	FDA-approved use on approval date
Xiidra	Lifitegrast Ophthalmic Solution	7/11/2016	To treat the signs and symptoms of dry eye disease
Adlyxin	Lixisenatide	7/27/2016	To improve glycemic control (blood sugar levels)
Exondys 51	Eteplirsen	9/19/2016	To treat patients with Duchenne muscular dystrophy
Lartruvo	Olaratumab	10/19/2016	To treat adults with certain types of soft tissue sarcoma
Zinplava	Bezlotoxumab	10/21/2016	To reduce the recurrence of Clostridium difficile infection in patients aged 18 years or older
Eucrisa	Crisaborole	12/14/2016	To treat mild to moderate eczema (atopic dermatitis) in patients two years of age and older
Rubraca	Rucaparib	12/19/2016	To treat women with a certain type of ovarian cancer
Spinraza	Nusinersen	12/23/2016	To treat children and adults with spinal muscular atrophy (SMA)

Source : <http://www.fda.gov/Drugs/DevelopmentApprovalProcess/DrugInnovation/ucm483775.htm>



"I truly believe the only way we can create global peace is through not only educating our minds, but our hearts and our souls."
- Malala Yousafzai



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Campus News

- ❖ Pharm. D Orientation Programme was conducted in the month of August, 2016. Prof. Anantha Naik Nagappa, Director, SCS College of Pharmacy, Harpanahalli & Dr. Sateesh S. Gottipati, Assoc. Prof. & Dean - Academics, Vignan Pharmacy College, Vadlamudi inspired the students with their valuable speeches.
- ❖ Mr. Bharani N. Bhaskar, CRA Manager, Axon Pharmatech delivered a lecture on "Opportunities in Clinical Research" on 6th Sep' 2016.
- ❖ Prof. Adepu Ramesh, Professor, Department of Pharmacy Practice, JSS College of Pharmacy, Mysore delivered a lecture on "Clinical Pharmacy - A Tool for Better Patient Care" on 6th Oct' 2016.
- ❖ Mr. G. Bhanu Prathap, CEO, Tychee Innovations Pvt., Ltd. demonstrated Applications of CliniRex Software on 20th Oct' 2016.
- ❖ Mr. Krishna Undela, Lecturer, Dept. of Pharmacy Practice, JSS College of Pharmacy, Mysuru delivered a talk on "Clinical Pharmacy at JSS Hospital" on 29th Dec' 2016.

To,

We are pleased to receive your feedback and suggestions to :

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