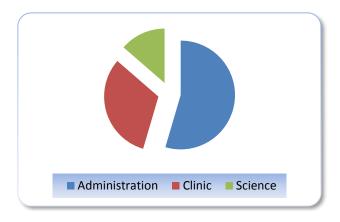
Clinical Information System

WHY VETERA®.net?

Veterinary Medicine and Clinical Administration in the 21st Century

The operability of a clinic depends on negotiating the convergence of indispensable vast amounts of data and providing an information network for all participants.



In the mesh of clinical infrastructure, three inter-connected areas can be highlighted, each accentuating their priorities:

Clinic

- Patient admission and history
- Clinical examination
- Further medical examination (laboratory, medical imaging, microbiology)
- > Treatment and therapy
- Assessment, medical notes, SOAP

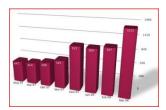
Science

- Science, research and academic teaching
- Medical institutes (pathology, pharmacology)

Administration

- > Patient database
- Archiving, documentation (surgical notes, management of lab results, PACS)
- Disease classification and diagnostic coding
- Planing of clinical procedures (clinical pathway)
- Monitoring medical procedures (expenditure, control)
- > IT-guided documentation of the flow of consumable materials in various departments
- Pharmacy
- > Employment of IT-systems for quality control
- Management accounting (statistics, cost accounting)
- > Statutory and internal reporting , support of in-house coordination, promoting efficiency and work relief

Inter-dependency



Both the complexity of a clinic and the unforeseeable trends and demands have to be accommodated by a Clinical Information System.

Vetera®.net can integrate the clinical and commercial structures.



Straight-forward elements of data can be exploited in a multitude of ways, manifesting full-spectrum utility. For instance, entering a single item can form the basis for constructing and projecting any combination of data for clinical practice, science and management.

<u>Pharmacology</u>: Databases can be grazed to establish data on pharmacovigilance, -dynamics or kinetics.

Research and Academic teaching: The vast data infrastructure, the versatility of information networks and the use of intelligent mining of medical / clinical data represent ideal conditions for scientific inquiry and scholarship. The area of medical teaching can benefit from extracting clinical records and, if necessary, rendering them anonymous.

Statistics: Generating statistical data of medical treatment, consultations, surgeon / departmental turnover or rankings based on preferred focus or combination.

Baytril 120mg

Monitoring: Medical procedures recorded objectively enable monitoring of success rates in therapeutical trials or ensuring that standards are observed such as the GVP codex (Good Veterinary Practice).

Laboratory diagnostics, pathology, and microbiology: Results (e.g. antibiogram) can be compiled in coherence with other series of clinical findings for the benefit of investigation.

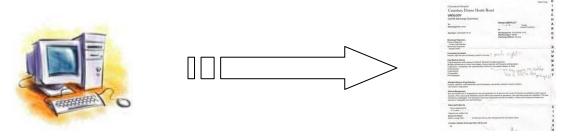
Epidemiological assessment: As all procedures and drugs relate to patients, there are few limits when it comes to epidemiological analysis such as, for instance, ascertaining race disposition or geographical spread of disease.

Modalities:

Accompanying the textoriented records the field of medical imaging is tremendously important, employing CT, MRT, Digital X-Ray, Ultrasound or Nuclear Medicine as an integrated component of the Information System infrastructure with its adapted interfaces.

Discharge Note

Using an intelligent robot, a discharge note or document of any other kind – such as medical certificates e.g. - can be assembled by means of a preferential catalog of criteria consisting also of prefabricated components.



To exemplify:

Derived from an examination such as a routine check-up for instance, a compilation of crucial or conspicuous findings can be extracted and issued explicitly and complemented by relevant sections of the history record or differential diagnoses. Further, based on the selection of prescribed medication, certain laboratory results can be implicated along with pre-defined text components depending on, say, the category of patient.

Revision Security

Vetera®.net allows revision-safe archiving for electronic archiving systems, complying with the Code of Practice. This means:

- original content is unchangeable and tamper-resistent
- the archived content can be viewed in exactly the same sequence as it progressed from one condition to the next

All under one umbrella, and yet open

All program modules and many functions of Vetera@.net are centrally commanded. Nevertheless, Vetera®.net does not by the same token shun interfacing with other systems and therefore provides access to ist knowledge system. And above all, the handling and user interaction are analogous with Microsoft Outlook to enable instant action thanks to the familiarity with common applications.

