VAR**i**AN
medical systems

ARIA | Oncology Information System

Designed for diagnosis through survivorship.[†]

DESIGNED FOR ONCOLOGY.

Certified for Meaningful Use.

[†] NCI defines survivorship in this context to mean the period from which an individual is initially diagnosed with cancer through the balance of his or her life. See also, http://cancercontrol.cancer.gov/ocs/definitions.html

The ARIA® oncology information system is a comprehensive information and image management solution that lets you oversee all aspects of oncology care for your patients. ARIA combines radiation, medical and surgical oncology information into a complete, oncology-specific EMR that allows you to manage the patient's entire journey—from initial diagnosis through post-treatment follow-up.

Valuable Domain Expertise

ARIA is designed to support the specific clinical needs of oncology patients—and the specific workflow needs of the clinicians who care for them. At Varian, we understand that oncology treatment delivery is complex, so we developed software to simplify the process and streamline the workflow in your department. When workflow is streamlined, your treatment team can focus on what matters: providing quality care for your patients.

With ARIA, you can:

→ Evaluate diagnosis-specific data to compare acute responses to treatment and long-term clinical outcomes

→ Develop disease-specific clinical protocols to facilitate a standard, consistent quality of care

→ Monitor radiation dose and review treatment images to determine if plan changes are required

→ Make confident decisions with the aid of embedded rule-based decision support

→ Create structured, oncology-specific care plans for the post-treatment care and support of cancer survivors*

*Survivorship software developed in conjunction with Equicare Health.

A COLLABORATIVE APPROACH
TO CANCER CARE.

ARIA for radiation therapy

Advances in radiation therapy have enabled clinicians to pinpoint tumor location, track tumor motion and deliver doses with more precision than ever before. ARIA lets you confidently expand the range of your treatment offerings to include IGRT, VMAT, brachytherapy or proton therapy techniques.

Highlights of ARIA for radiation therapy:

→ Prescription and treatment plan management, complete with up-to-date dose recording, RT treatment summaries and images

→ Physics chart check functionality and other clinical process control features such as configurable checklists and barcode technology

ARIA for chemotherapy

ARIA helps manage the complexity of the entire chemotherapy, drug and non-drug physician-ordering process. ARIA can suggest dose modifications or schedule delays, depending on each patient's condition and response to therapy.

Highlights of ARIA for medical oncology:

→ Over 325 embedded chemotherapy regimens and configurable, disease-specific clinical protocols

→ E-prescribing,** CPOE, automated dose calculation, recording, plus pharmacy preparation and dispensing capabilities

→ Formulary checking, drug interaction/contraindication checking and medical necessity checking for drugs and tests

→ Clinical trial screening/eligibility assessments, randomization and prospective compliance management

** E-prescribing is only available in the United States.

Multidisciplinary cancer care

Varian offers a Comprehensive Cancer Solution (CCS)
configuration of ARIA for patients undergoing adjuvant
or concomitant therapy in a mixed-care setting. This CCS
configuration permits the sharing of the following patient
information between departments for more streamlined
care delivery:

→ Lesion tracking, toxicity profiles, performance status and
   reviews of systems/physical exam histories

→ ICD-9/10/0 diagnosis coding, AJCC staging, drug orders,
   current medications and lab results

→ Patient demographic information, schedules, documentation,
   clinical notes and questionnaires

System interoperability

ARIA uses industry-standard HL7, DICOM and DICOM Worklist
to facilitate seamless system integration and interoperability
in mixed-vendor environments. ARIA is an award-winning
oncology IT solution that provides:

→ Connectivity to diagnostic imaging equipment, third-
   party linear accelerators, treatment planning systems and
   specialized oncology treatment devices

→ Connectivity to enterprise systems such as HIS, RIS, PACS,
   lab, pathology, pharmacy, billing and public health registries

→ High availability and failover technology for continuous data
   protection in the event of disaster or system outage

→ Mobile device, iPad and virtual applications support for
   greater freedom of access to the system

STAY CONNECTED
THROUGHOUT THE JOURNEY FROM DIAGNOSIS TO SURVIVORSHIP.

REGISTRATION →

Upon referral, the receptionist uses ARIA to schedule a consultation appointment with the oncologist. ARIA uses standard HL7 interfaces to automatically populate demographics, referring physician and insurance information from the hospital information system— helping to minimize potential errors associated with manual data entry.

DIAGNOSIS →

The oncologist performs the examination and documents any additional patient encounter information. Each document is authorized by his electronic signature, dated and time stamped. He enters diagnosis details using ARIA's complete index of ICD codes and automated AJCC smart staging.

PRESCRIPTION/PLANNING →

Using diagnostic images imported via DICOM, the radiation oncologist contours the PTV and creates a prescription for the RT treatment plan in ARIA. If the physics team uses the Eclipse™ treatment planning system, no further import or export of the data is required. They have immediate access to the entire RT chart to create the plan.

TREATMENT DELIVERY →

When the patient arrives for radiation treatment, his approved plan is simply loaded from the Varian system database. All reference images, treatment fields, MLC and related console parameters are available for the therapist. After treatment, radiation dose is immediately recorded.

For chemotherapy patients, the medical oncologist uses ARIA to order chemotherapy agents and other drugs. ARIA includes dose limit checking with maximum daily/lifetime cumulative dose and duplicate order checking.

IMAGE REVIEW →

MV, kV and CBCT images taken at the linear accelerator are saved to the Varian system database. The oncologist compares the reference images with the treatment images from the convenience of his office, determines if patient positioning changes are required and sends couch shift instructions back to the therapist at the accelerator.

PATIENT PORTAL →

Throughout his treatment course, the patient can use the Active Patient Portal to request, change or cancel appointments, review laboratory results and complete questionnaires prior to arriving at the clinic, which may result in shorter, more efficient clinic visits.

INTEGRATION: THE VARIAN ADVANTAGE.

The most important consideration of any oncology program is the safety and well-being of patients. Varian's delivery, imaging and software products share a unified system database to streamline clinical workflow and minimize or eliminate redundant data entry.

The ARIA oncology information system forms the foundation of Varian's integrated oncology environment:

→ ARIA integration with Varian accelerators provides immediate and complete support for treatment techniques as soon as they are introduced

→ ARIA integration with the Eclipse treatment planning system helps eliminate time-consuming export/import/QA steps, and expedites the transition from plan to treatment

→ ARIA support for HL7 and DICOM can seamlessly integrate your oncology department with enterprise systems

SURVIVORSHIP SUPPORT →

Post-treatment, the nurse navigator will use Equicare Cancer Survivorship,™ an extension of ARIA, to create a structured survivorship care plan for the patient. Equicare gives the patient web-based access to diagnosis-specific educational materials, his personal treatment history and follow-up care instructions that help him play an active role in his recovery.

COMPLETE DEPARTMENT MANAGEMENT.

Manage your oncology service line with software specifically designed for it. From scheduling and treatment delivery to image review and charge capture, ARIA can help you perform routine tasks quickly and accurately.
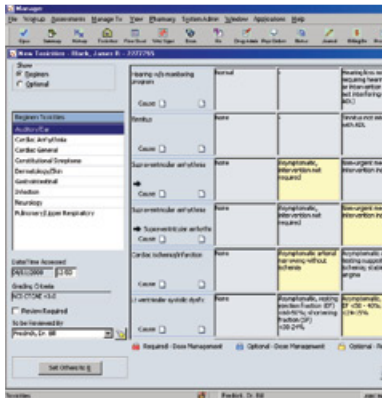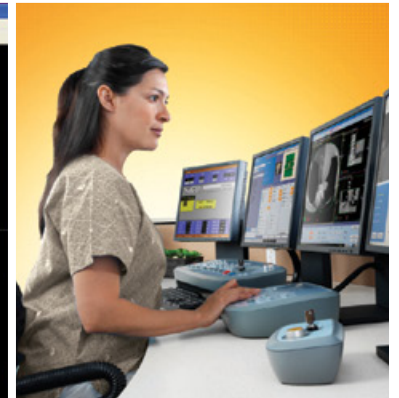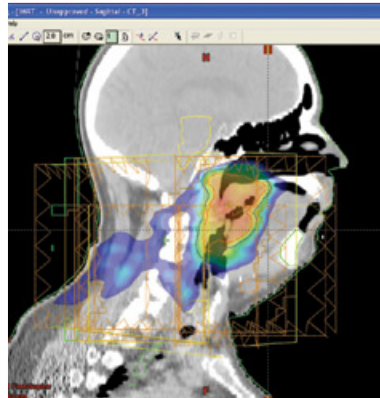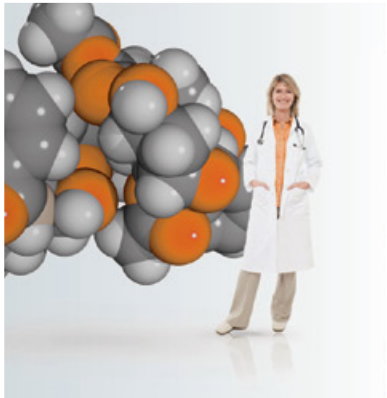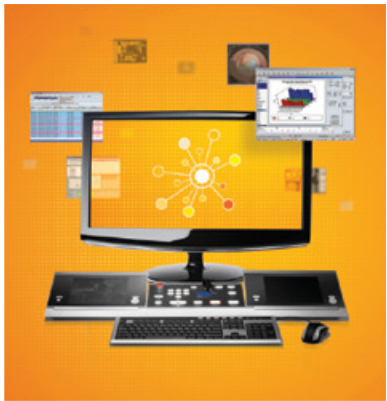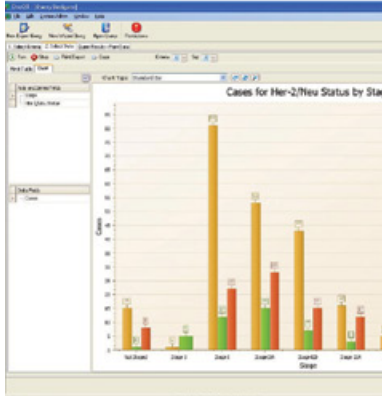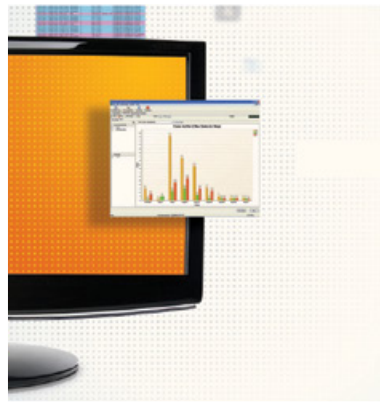
Use ARIA to:

→ Record all reimbursable events at the point of care to minimize missed charges

→ Provide evidence that the care you give is in accordance with established industry guidelines

→ Analyze referral patterns and forecast revenue

→ Generate reports and queries to examine staff compliance and overall practice performance

WORKING TOGETHER TO FIGHT CANCER.

Varian Medical Systems has been an innovator in the field of oncology for over 60 years. During this time, Varian has introduced advanced treatment techniques, equipment and software that have been used to treat more than an estimated million cancer patients worldwide. Today we offer products and services that integrate into the complete oncology treatment process, so anyone involved in the fight against cancer can unite around the common goal to beat this disease.

To learn more, contact your sales representative or visit **varian.com/aria**

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