Enrich the Manuscript

A WHITE PAPER BY

kriyadocs®

AN EXETER PRODUCT

The power of content is unlocked only when it is shared with the world

In today's context, content has become multifaceted. It is no longer just about the manuscript. Supporting data such as appendices, supplementary materials, datasets etc., has become as crucial as the primary content.

There is also a wealth of information in the form of metadata that enhances and adds value to the raw manuscript. Cross linking pieces of content to public databases and interlinking between the various content pieces also adds another dimension to the content workflow.

With its AI and ML based content enriching and editing capabilities, kriyadocs brings content to life by:

- ensuring consistency
- verifying validity
- improving discoverability
- enhancing presentation

Enriched content

We believe that content can be made so much more powerful by enriching and enhancing it. kriyadocs' AI driven tools make it easy to increase quality and add value to your documents.

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The need for kriyadocs

Our vision is to make publishing all content as simple as **clicking a button**.

At Exeter Premedia, we've partnered with prestigious publishing houses across the world for over 15 years and delivered world class, publication-ready digital & print content by applying cutting-edge technology, streamlined processes and extensive domain expertise.

The publishing lifecycle is riddled with a lot of intricate touchpoints that often end up frustrating authors and publishers because a lot of their precious time and effort gets spent on a convoluted cycle of chores – formatting issues, version changes, status tracking, email volleys, approval delays, repeated follow-ups, and more.

We felt there had to be a better way to make publishing simple and easier. It is with that goal that we huddled our best minds and created **kriyadocs** – an online collaboration platform that brings all the stakeholders together to get work done.

With its **XML-first workflow**, on the fly proofing-and-editing capabilities, configurable workflows and integrated content management system (CMS), kriyadocs serves as the **single-source window** for our clients to **transform content** in any input format to multiple output formats including web and print PDFs, ePub and enhanced ePub with multimedia capabilities.

We endeavor to continuously enhance the capabilities of kriyadocs to meet ever-evolving client needs and challenges, while keeping up with advancements in technology, and nimbly adopting industry standards and best practices.

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Transformation from manuscript to publication

The kriyadocs way

1. Conversion and styling
2. Automated editing
3. Data validation
4. Intelligent queries
5. Metadata addition
6. Language refinement
7. Real-time proofing
8. XML validation
9. Accessibility improvement

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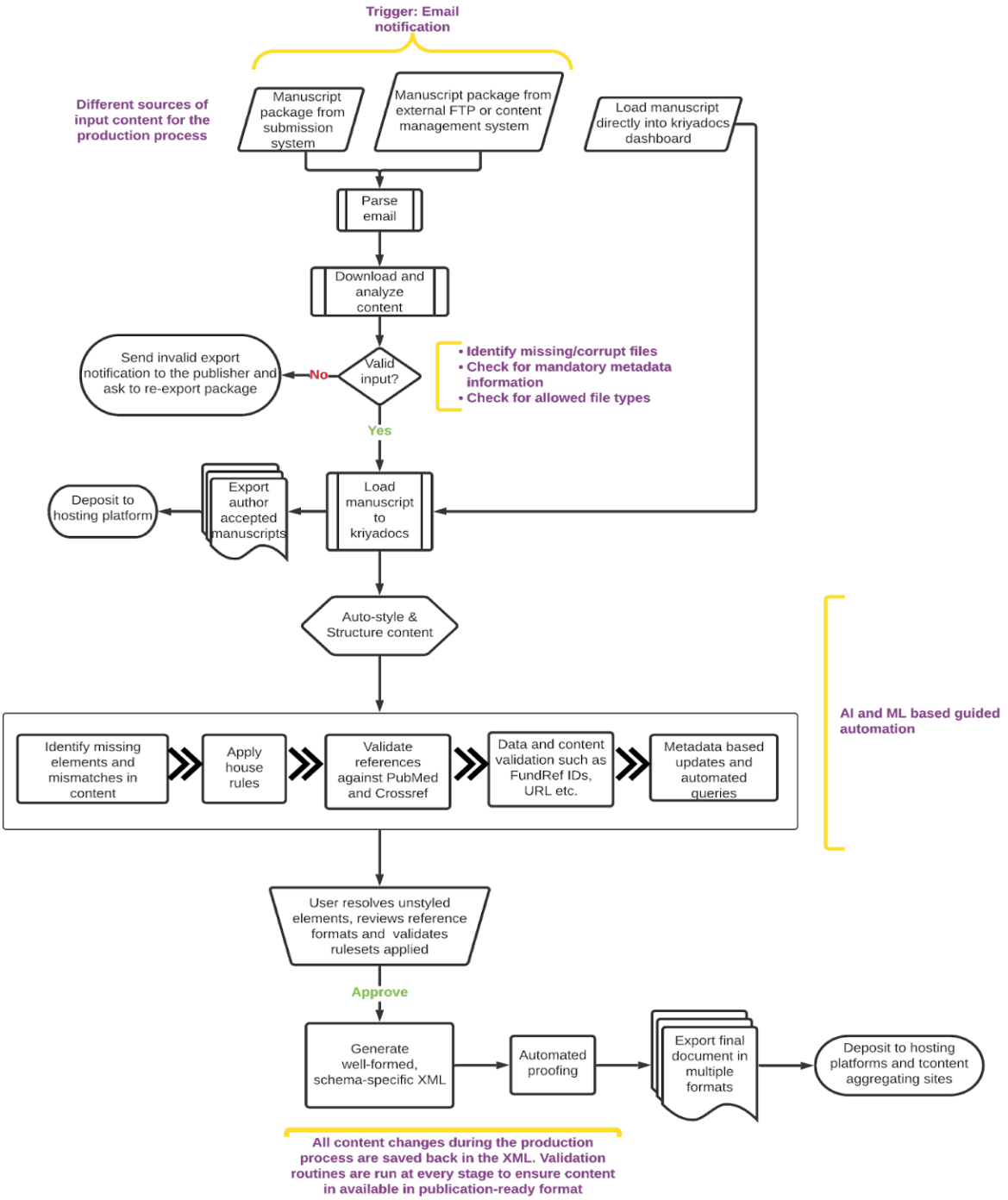
Transformation from manuscript to publication



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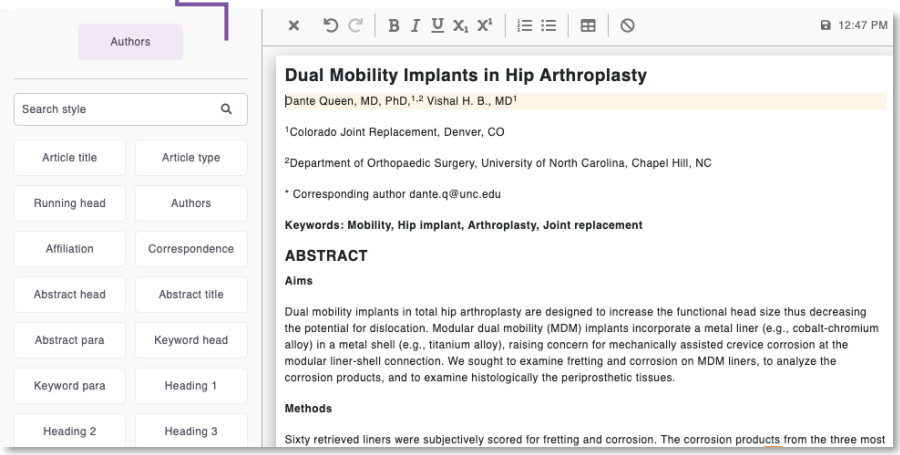
Step 1
Conversion and styling
XML first from the get-go

Tag content sections and objects



AI/ML-based reference styling and formatting

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Step 2

Automated editing

Stay true to your style

Style changes are tracked and highlighted for easy review

~~Clinical Risk Prediction Tools~~Clinical risk prediction tools

Our review identified two multivariate clinical risk prediction tools for septic arthritis ~~amongst~~among children presenting with non-traumatic limp that have had their validity assessed in populations separate to their derivation sample.

The four components of Kocher *et al*.'s prediction tool are non-weight bearing status, fever, raised WBC count ($\geq 12 \times 10^9$ /L) and raised ESR (≥ 40 mm/hr) (~~Table 3~~table 3).[13–15 18 21] Caird *et al*. derived an alternative prediction tool that included a fifth parameter, CRP ≥ 20 mg/L, in addition to Kocher's original four-predictor model (~~Table 3~~table 3).[15]

Notably, the performances of both clinical risk prediction tools are significantly worse in external validation studies (~~Table 3~~table 3). In Kocher *et al*.'s original derivation study, the predicted probability of a child presenting with non-traumatic limp having septic arthritis was 99.6% when all four components were present. However, when this clinical risk prediction tool was applied in two external validation studies, the predicted probability of septic arthritis ranged from 58.1% to 93%. The area under the receiver-operator curve, was also notably lower in both studies ~~compared to~~compared with Kocher *et al*.'s original derivation study (0.80[15] and 0.86[14] respectively ~~compared to~~compared with 0.96).

A similar observation was seen when the external validity of Caird *et al*.'s prediction tool was assessed in Sultan *et al*.'s[21] follow-up study, with a comparable reduction noted in the predicted probability of a child having septic arthritis when all five predictors were present in a new population group (60%[21] ~~compared to~~compared with 98%.[18]

Link objects to their corresponding citations in the text

Step 3

Data validation

Maintain data integrity

References are validated against PubMed and Crossref

Automated reference formatting per prescribed guidelines

Here are the validation results we got from PubMed and/or CrossRef and styled according to the Publisher's style guide.

Original Reference:

4. Morris JM, Roberts CL, Bowen JR, *et al*. Immediate delivery compared with expectant management after preterm pre-labour rupture of the membranes close to term (PPROMT trial): a randomised controlled trial. *Lancet* 2015;**387**:444–490. https://www.ncbi.nlm.nih.gov/pubmed/26564381. 10.1016/S0140-6736(15)00724-2.

Final Reference:

4. Morris JM, Roberts CL, Bowen JR, *et al*. Immediate delivery compared with expectant management after preterm pre-labour rupture of the membranes close to term (PPROMT trial): a randomised controlled trial. *Lancet* 2016;**387**:444–52. https://www.ncbi.nlm.nih.gov/pubmed/26564381. 10.1016/S0140-6736(15)00724-2.

Review Changes below

Original reference Data	Final reference Data	Source	Accept	
Immediate delivery compared with expectant management after preterm pre-labour rupture of the membranes close to term (PPROMT trial): a randomised controlled trial	Immediate delivery compared with expectant management after preterm pre-labour rupture of the membranes close to term (PPROMT trial): A randomised controlled trial	Casing	✓	✗
2015	2016	PubMed	✓	✗
90	52	PubMed	✓	✗

Edit Reference | Ask Author | Accept Changes

All changes are presented for review

Raise query to get author confirmation

FUNDER REGISTRY VALIDATION

Connect research funding to their outcomes by linking funding information to publications

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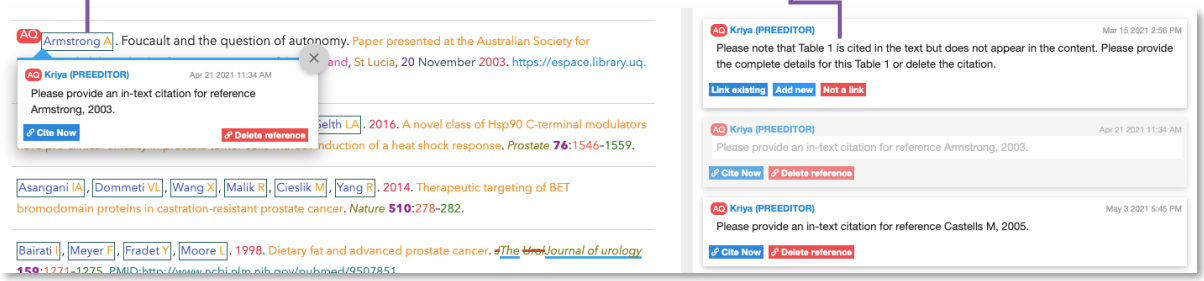
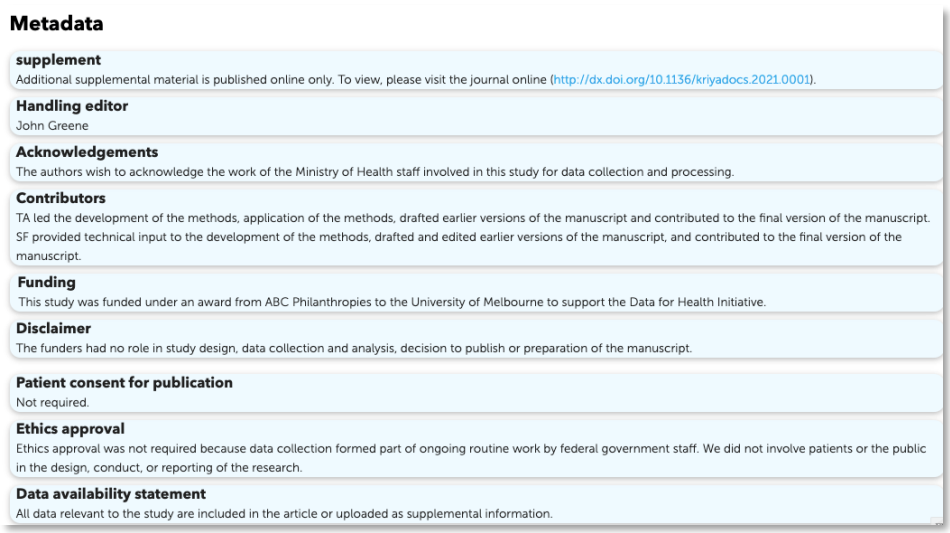
Step 4
Intelligent queries
Clarity through context

Context-based queries for author confirmation/approval

Queries for missing elements and unlinked objects/citations



Step 5
Metadata addition
Supercharge your content



WYSIWYG rich text editor

Updated metadata gets saved in XML in the correct format

Submission metadata

Read from submission systems and update standardized statements

Subject areas and topic codes

Map category-specific codes to facilitate discoverability of digital content

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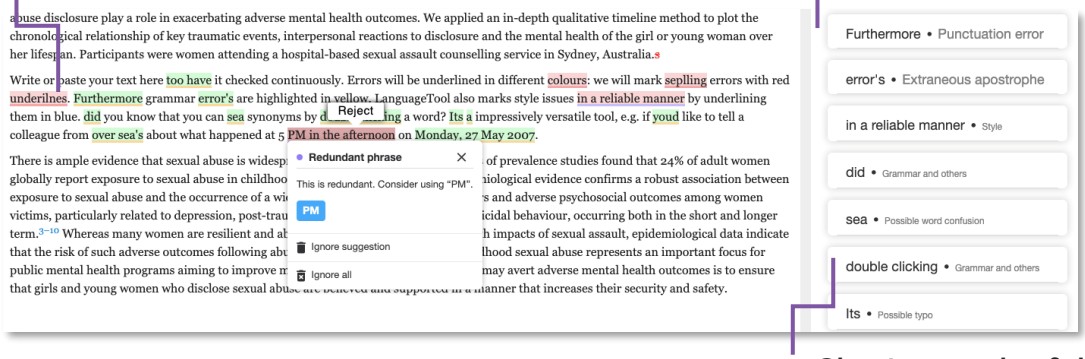
Step 6

Language refinement

Clear and concise

- Catch spelling errors and American/British variants
- Catch grammatical and style errors
- Short, meaningful explanations for errors

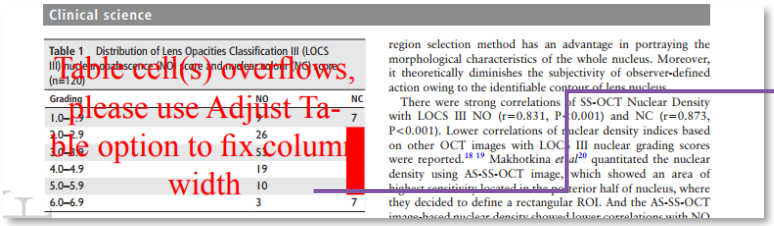


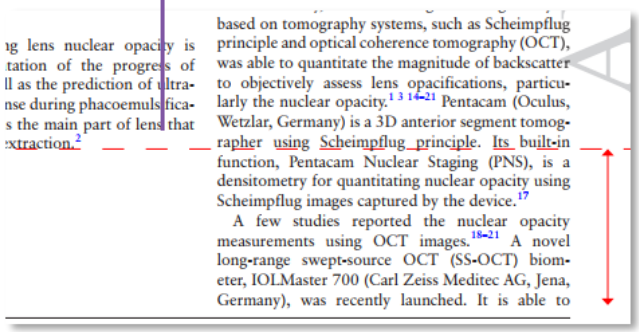
Step 7

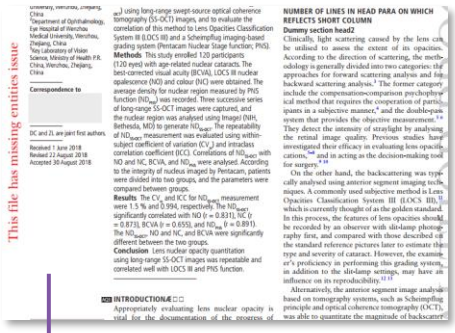
Real-time proofing

Pitch perfect pages

- Catch issues in table column alignment and base alignment
- Catch errors in adding correct font for entities







Built-in validation

Cross check proof quality

Rule based templates

Automatic sizing and placement

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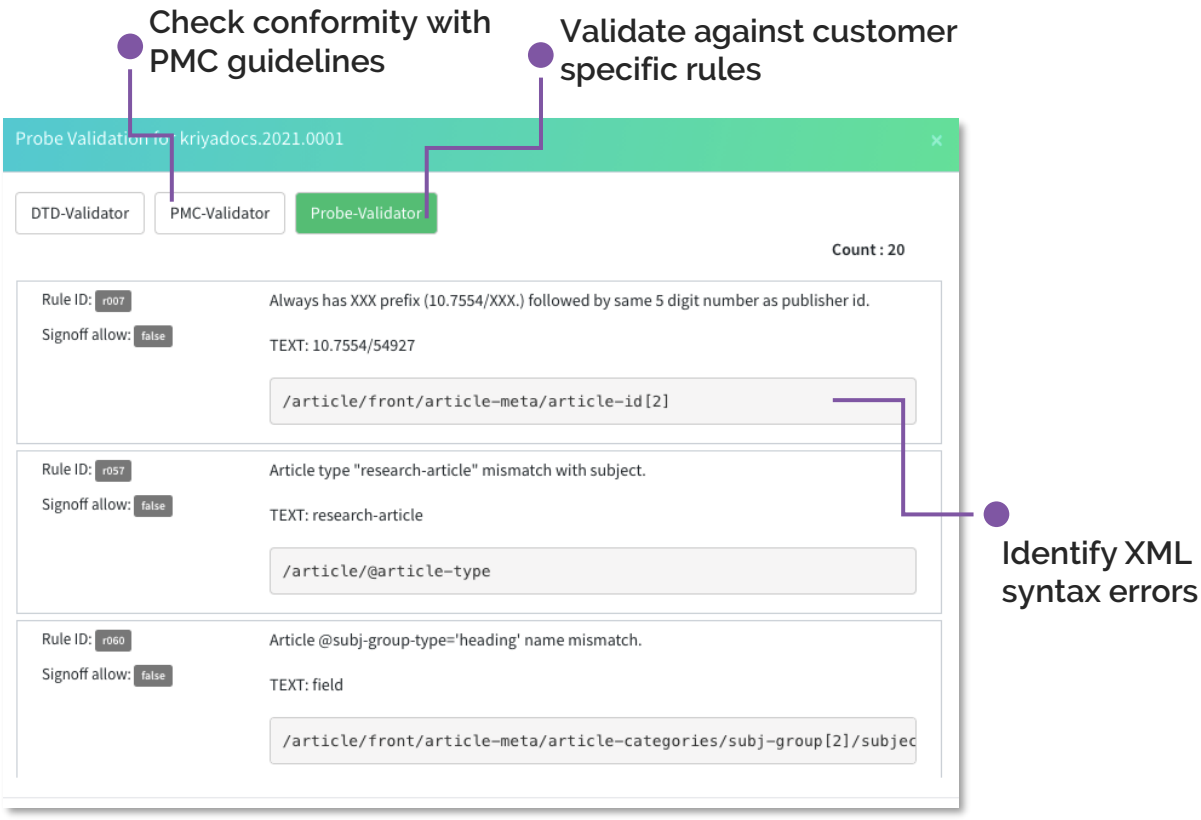
Step 8

XML validation

Test your tags



Step 9

Accessibility improvement

Expand your reach

- **Add alt text and long descriptions (ATLD) in the editor interface**
- **Export ATLD with various online outputs**
- **Validate and update accessibility-related metadata**

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Key benefits

Measurable and meaningful outcomes

INCREASED CONSISTENCY

Consistent and accurate outputs on every export

REDUCED PRODUCTION TIME

Automation and stringent validation across different stages

ENRICHED METADATA

Improve attribution, discoverability and searchability

IMPROVED ACCESSIBILITY

Disseminate content to a wider audience

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AN EXETER PRODUCT

Unchain yourself from the desk. Get work done on-the-go with a full featured toolset at your fingertips.

ENABLE

Effortless collaboration. Empowered teams.

- Intuitive user interface
- Kanban lanes
- Centralized communication
- Actionable dashboards

ENHANCE

Adaptable workflows. Rich content.

- AI driven templates
- XML-first workflows
- Integrated CMS & DAM
- Multilingual support

ENSURE

Smart automation. Stringent validation.

- Automated data validation
- ML driven editing
- Smart query resolution
- Role & element level security

EXTEND

Repeatable processes. Quick monetization.

- REST API integration
- Dynamic workflows
- Customizable business rules
- Rich metadata enablement

To know more or to schedule a demo visit

www.kriyadocs.com